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NORTH AMERICAN UNIVERSITY

16-17

2016-2017 ACADEMIC CATALOG

ACADEMIC CATALOG
UNDERGRADUATE | GRADUATE

NORTH
AMERICAN
UNIVERSITY

TABLE OF CONTENTS

1. ACADEMIC CALENDAR

<p align="center">2016-2017 UNDERGRADUATE CALENDAR</p>

FALL SEMESTER – 2016: August 22 - December 16

August 2016

August 1	Registration opens for all students
August 14	Registration closes for all students
August 15	Registration payment deadline for all students
	First installment is due for payment plan enrolled students
August 15	Late registration opens for all students
	Payment is due on the same day of registration for continuing students
August 17-18	Orientation for new students
August 19	Late registration closes for all students
	Late registration payment deadline for new students
August 22	First day of classes
August 26	Last day to add a course

September 2016

September 5	Labor Day Holiday
September 8	Last day to drop a course without a fee
September 15	Second installment is due for payment plan students
September 29	Last day to drop a course with a fee

October 2016

October 13	Third installment is due for payment plan students
October 27	Last day to drop a course with a "W"

November 2016

November 10	Fourth installment is due for payment plan students
November 14-23	Spring early registration for continuing students
November 24-25	Thanksgiving holiday
November 28	Spring early registration opens for new students

December 2016

December 1	Last day of classes
December 2	Make up day for classes officially cancelled by NAU (if necessary) or reading day
December 5-13	Final Examinations

| December 14 | Last day to submit final grades |
| December 16 | Official close of the semester |

SPRING SEMESTER – 2017: January 17 - May 19

January 2017

January 2	Registration opens for all students
January 8	Registration closes for all students
January 9	Registration payment deadline for all students
	First installment is due for payment plan enrolled students
January 9	Late registration opens for all students
	Payment is due on the same day of registration for continuing students
January 11-12	Orientation for new students
January 13	Late registration closes for all students
	Late registration payment deadline for new students
January 16	Martin Luther King Jr. Holiday
January 17	First day of classes
January 20	Last day to add a course

February 2017

February 9	Last day to drop a course without a fee
February 9	Second installment is due for payment plan enrolled students
February 25	Last day to drop a course with a fee

March 2017

March 2	Last day to drop a course with a fee
March 9	Third installment is due for payment plan enrolled students
March 13-17	Spring Break
March 30	Last day to drop a course with a "W"

April 2017

April 6	Fourth installment is due for payment plan students
April 10	Summer registration opens
April 10-21	Fall early registration for continuing students
April 14	Easter Holiday (Good Friday)
April 24	Fall early registration opens for new students

May 2017

| May 3 | Last day of classes |

May 4	Make up day for classes officially cancelled by NAU (if necessary) or reading day
May 8-16	Final Examinations
May 17	Last day to submit final grades
May 19	Official close of the semester
May 20	North American University Commencement

SUMMER SEMESTER – 2017

Summer I (1st 6-week session): May 22 – June 29

| April 10-May 14 | Registration for all students |

May 2017

May 15	Payment deadline for all students
May 15-19	Late registration for all students
	Payment is due on the same day of registration
May 22	First day of classes
May 24	Last day to add a course
May 29	Memorial Day Holiday
May 30	Last day to drop a course without a fee

June 2017

June 7	Last day to drop a course with a fee
June 14	Last day to drop a course with a "W"
June 27	Last day of classes
June 28	Final Examinations
June 29	Last day to submit final grades
	Official close of the semester

Summer II (2nd 6-week session): July 3 – August 10

| April 10-June 25 | Registration for all students |

June 2017

June 26	Payment deadline for all students
June 26-30	Late registration for all students
	Payment is due on the same day of registration

July 2017

| July 3 | First day of classes |

July 4	Independence Day Holiday
July 7	Last day to add a course
July 13	Last day to drop a course without a fee
July 20	Last day to drop a course with a fee
July 27	Last day to drop a course with a "W"

August 2017

August 8	Last day of classes
August 9	Final Examinations
August 10	Last day to submit final grades
	Official close of the semester

Summer III (12-week session): May 22 – August 10

| April 10-May 14 | Registration for all students |

May 2017

May 15	Payment deadline for all students
May 15-19	Late registration for all students
	Payment is due on the same day of registration
May 22	First day of classes
May 24	Last day to add a course
May 29	Memorial Day Holiday
May 30	Last day to drop a course without a fee

June 2017

| June 7 | Last day to drop a course with a fee |

July 2017

| July 4 | Independence Day Holiday |
| July 13 | Last day to drop a course with a "W" |

August 2017

August 7	Last day of classes
August 8-9	Final Examinations
August 10	Last day to submit final grades
	Official close of the semester

2016-2017 GRADUATE CALENDAR

FALL SEMESTER – 2016: August 22 - December 16

July 2016
July 1-15	Registration for continuing students
July 16-August 19	Late registration for continuing students
July 16-August 14	Registration for new students

August 2016
August 15-19	Late registration for new students
August 19	Payment deadline for all students
	First installment is due for payment plan enrolled students
August 22	First day of classes
August 26	Last day to add a course

September 2016
September 5	Labor Day Holiday
September 8	Last day to drop a course without a fee
September 15	Second installment is due for payment plan students
September 29	Last day to drop a course with a fee

October 2016
October 13	Third installment is due for payment plan students
October 27	Last day to drop a course with a "W"

November 2016
November 10	Fourth installment is due for payment plan students
November 14-28	Spring registration for continuing students
November 24-25	Thanksgiving holiday
November 29-January 13	Spring late registration for continuing students
November 29-January 9	Spring registration for new students

December 2016
December 1	Last day of classes
December 2	Make up day for classes officially cancelled by NAU (if necessary) or reading day
December 5-13	Final Examinations
December 14	Last day to submit final grades
December 16	Official close of the semester

SPRING SEMESTER – 2017: January 17 - May 19

    November 29-January 9 Registration for new students
    November 29-January 13 Late registration for continuing students

January 2017
January 10-13	Late registration for new students
January 13	Payment deadline for all students.
	First installment is due for payment plan enrolled students
January 16	Martin Luther King Jr. Holiday
January 17	First day of classes
January 20	Last day to add a course

February 2017
February 9	Last day to drop a course without a fee
February 9	Second installment is due for payment plan enrolled students
February 25	Last day to drop a course with a fee

March 2017
March 2	Last day to drop a course with a fee
March 9	Third installment is due for payment plan enrolled students
March 13-17	Spring Break
March 30	Last day to drop a course with a "W"

April 2017
April 6	Fourth installment is due for payment plan students
April 14	Easter Holiday (Good Friday)
April 24-May 15	Summer I, II, III registration for all students
	Fall registration for continuing students

May 2017
May 3	Last day of classes
May 4	Make up day for classes officially cancelled by NAU (if necessary) or reading day
May 8-16	Final Examinations
May 16	Fall registration opens for new students
May 17	Last day to submit final grades
May 19	Official close of the semester
May 20	North American University Commencement

SUMMER SEMESTER – 2017

Summer I (1ˢᵗ 6-week session): May 22 – June 29

April 24-May 15	Registration for all students

May 2017

May 16-19	Late registration for all students
May 19	Payment deadline for all students
May 22	First day of classes
May 24	Last day to add a course
May 29	Memorial Day Holiday
May 30	Last day to drop a course without a fee

June 2017

June 7	Last day to drop a course with a fee
June 14	Last day to drop a course with a "W"
June 27	Last day of classes for Summer I
June 28	Final Examinations
June 29	Last day to submit final grades
	Official close of the semester

Summer II (2ⁿᵈ 6-week session): July 3 – August 10

April 24-June 26	Registration for all students

June 2017

June 27-30	Late registration for all students
June 30	Payment deadline for all students

July 2017

July 3	First day of classes
July 4	Independence Day Holiday
July 7	Last day to add a course
July 13	Last day to drop a course without a fee
July 20	Last day to drop a course with a fee
July 27	Last day to drop a course with a "W"

August 2017

August 8	Last day of classes
August 9	Final Examinations

| August 10 | Last day to submit final grades |
| | Official close of the semester |

Summer III (12-week session): May 22 – August 10

| April 24-May 15 | Registration for all students |

May 2017

May 16-19	Late registration for all students
May 19	Payment deadline for all students
May 22	First day of classes
May 24	Last day to add a course
May 29	Memorial Day Holiday
May 30	Last day to drop a course without a fee

June 2017

| June 7 | Last day to drop a course with a fee |

July 2017

| July 4 | Independence Day Holiday |
| July 13 | Last day to drop a course with a "W" |

August 2017

August 7	Last day of classes
August 8-9	Final Examinations
August 10	Last day to submit final grades
	Official close of the semester

2. GENERAL INFORMATION

2.1. Mission Statement

North American University, as an institution of higher learning, is committed to providing a nurturing environment for the systematic pursuit of academic excellence, professional and personal development, responsible citizenship, and global cultural competency. The University aims to achieve these goals through instruction, scholarly inquiry, free discussion and dissemination of ideas, and creative activity.

2.2. Goals and Objectives

Goal 1: Academic and Career-related Learning

Objective 1.1   Foster academic and career-related student learning

Objective 1.2   Attract and nurture highly qualified faculty with career-related work experience

Objective 1.3   Attract and nurture promising students

Objective 1.4   Provide educational materials and infrastructure that support career-related student learning

Goal 2: Professional Proficiency

Objective 2.1   Develop a curriculum that helps students excel in their professional formation

Objective 2.2   Develop a curriculum that is responsive to the needs and visions of employers

Objective 2.3   Promote life-long learning skills

Objective 2.4   Promote ethical and professional behavior at both individual and organizational level

Goal 3: Student Centeredness and Personal Development

Objective 3.1   Nurture a student-oriented environment that is responsive to student needs and career goals

Objective 3.2   Provide academic and social services and support to students through their stay at the institution

Objective 3.3   Provide educational programs and experiences that promote global cultural competency and respect for diversity

Goal 4: Engagement with Stakeholders

Objective 4.1   Promote institutional programs and activities to stakeholders such as students, employers, advisory committee, occupational experts and community members.

Objective 4.2   Seek input from stakeholders on an ongoing basis in the development of institutional plans and programs.

Goal 5: Good Stewardship

Objective 5.1   Manage resources entrusted with the University with responsibility by maintaining the effectiveness and efficiency of programs, services, and operations throughout the University.

2.3. History

North American University was owned and operated by the Texas Gulf Foundation (TGF), a non-profit educational organization founded on April 7, 2007, and located in Houston, Texas. The main purpose of the TGF was to establish superior higher education institutions. Toward this goal, the TGF Board of Trustees established the Texas Gulf Institute (TGI) which started operation in September 2007.

The Texas Gulf Institute submitted an application for a certificate of authority to offer Bachelor of Science degrees to the Texas Higher Education Coordinating Board (THECB) on January 20, 2009. The Texas Higher Education Coordinating Board unanimously approved that a Certificate of Authority be granted to TGI on October 29, 2009.

The TGI submitted an application for accreditation to the Accrediting Council for Independent Colleges and Schools (ACICS) on October 16, 2009. The ACICS council has awarded the TGI an initial grant of accreditation to offer certificate programs through December 31, 2013. On June 16, 2010, the TGI applied to the ACICS for inclusion of its bachelor's degree programs in accreditation. The application was approved on July 2, 2010.

With the addition of Bachelor of Science degree programs, the Texas Gulf Institute evolved into North American College. The name change was approved by the ACICS on August 16, 2010, and by the THECB on September 10, 2010.

North American College applied to FAFSA to award Federal Financial Aid on September 24, 2010. The application was approved on January 30, 2011.

North American College was granted to offer M.Ed. in Educational Leadership by ACICS and THECB starting in Fall 2013. With the addition of Master degree program, the North American College name change application to North American University was approved by the ACICS on August 29, 2013. North American University got an approval of three more master programs on June 18, 2015 namely; M.Ed. in Curriculum and Instruction, M.S. in Computer Science and Master of Business Administration starting in Fall 2015.

In May 2016, North American University moved to its new 12-acre campus in Stafford, Texas. The new facilities provide move space for growth, and the location offers greater amenities for the NAU community.

2.4. Accreditation and Certifications

1. North American University is accredited by the Accrediting Council for Independent Colleges and Schools (ACICS) to award Bachelor's and Master's degrees. The Accrediting Council for Independent Colleges and Schools is listed as a nationally recognized accrediting agency by the United States Department of Education and is recognized by the Council for Higher Education Accreditation.

    ACICS
    750 First Street, NE
    Suite 980
    Washington, DC 20002
    http://www.acics.org

2. North American University is approved by the Texas Higher Education Coordinating Board (THECB) to award Bachelor's and Master's degrees.

    Texas Higher Education Coordinating Board
    1200 E. Anderson Ln.
    Austin, TX 78752
    http://www.thecb.state.tx.us

2.5.Statements

As a private, non-profit and non-denominational institution, the North American University works to maintain a positive campus environment that promotes affirmative action, diversity, and equal access to all. Some printed materials must carry statements that reflect our commitment to this mission and our compliance with certain legal guidelines.

The following statements are approved by the Executive Committee and maintained by the Human Resource Office and Office of the President. Any questions regarding these statements should be directed to the Human Resources Office at 832 230 5553.

Equal Opportunity Statement

The North American University provides equal treatment and opportunity to all persons without regard to race, color, religion, national origin, sex, age, disability, veteran status or sexual orientation except where such distinction is required by law. This statement reflects compliance with Titles VI and VII of the Civil Rights Act of 1964, Title IX of the Educational Amendments of 1972 and all other federal and state regulations.

Americans with Disabilities Act (ADA) Statement

Persons with disabilities who desire accommodations should contact the Human Resource Office at 832 230 5553. Students seeking academic accommodations must contact the Office of Student Services (see the Student Handbook for more information).

3. ADMISSIONS

North American University is committed to recruiting a diverse, vibrant student body from across the country and from around the world. Admissions to North American University (NAU) is based on criteria such as academic achievement and academic preparation. The Admissions Office recommends campus tours and class visits as a means to experience the University's academic and physical environment. All initial inquiries to the University should be made to the Admissions Office:

> Address: 11929 West Airport Blvd, Stafford, TX, 77477
>
> Phone: 832-230-5555
>
> E-mail: admissions@na.edu.

Application Deadline:

Fall 2016 Semester: August 14th (for domestic students),
                                July 24th (for international students)
Spring 2017 Semester: January 8th (for domestic students),
                                December 11th (for international students)

3.1.   Undergraduate Admissions

North American University requires prospective undergraduate students to submit the following credentials:

1. A completed application form submitted online at www.na.edu/admissions
2. A non-refundable application fee ($0 US residents, $100 international outside US)
3. High school transcript (official or certified), or diploma (official or certified) or GED Score*
4. A non-refundable enrollment confirmation fee of $50 must be paid before new incoming freshman/transfer students can register for classes.

* All documents in a foreign language must be translated into English.

Students should also submit the following, when available:

1. Any transcripts from community colleges or other higher education institutions**
2. Any other document proving academic eligibility such as SAT/ACT scores, AP credits

** Transcripts from non-US institutions must be evaluated by an agency recognized by the Department of Education. Contact the Admissions Office for more information.

All students must meet at least one of the minimum academic criteria set below for admission. Only the Dean of Enrollment Management may accept or deny a student with special circumstances upon suggestion from Admissions Office.

Academic Acceptance criteria for undergraduate admission		
Source	Subject	Scores
Accuplacer (all 3 must meet minimum)	Reading	60
	Writing	5
	Math	40
SAT	Reading *or*	400
	Math	400
ACT	Composite *or*	15
	Math *or* English	19
TAKS	Reading *and* Math	2200
TSI (Texas Success Initiative) *Texas student initiative exemption/waiver requirements can be found at www.thecb.state.tx.us	Reading	Reading score of 351 and writing 5
	Writing	Reading score of 363 and writing 4
	Math	350
STAAR EOC	Algebra II	4000
	English III Reading	2000
GPA	High School Student CGPA	2.7
	Transfer Student CGPA	2.5
Transfer of Composition & Rhetoric	Reading/Writing	C- or above
Transfer of College Algebra	Math	C- or above

3.2. Graduate Admissions

North American University requires prospective graduate students to submit the following credentials:

1. A completed application form submitted online at www.na.edu/admissions
2. A non-refundable application fee ($60 resident and $100 international (there may be an additional $150 fee for international transcript evaluation))
3. Official transcripts from all undergraduate and graduate institutions previously attended* - Official sealed copy of the transcripts, indicating the completion of a bachelor's four-year degree or electronically sent via the college or university attended.
4. Letter of Intent

5. Curriculum Vitae or Resume
6. Two letters of recommendation

* Transcripts from non-US institutions may need to be evaluated by an agency recognized by the Department of Education.

Graduate programs may have specific departmental requirements for admission.

3.3. International Student Admissions

An international student is defined as any student wanting to attend the University who does not have the classification of United States citizen or permanent resident status as defined by the Bureau of U.S. Citizenship and Immigration Services (USCIS). An individual's immigration status determines whether the student must attend full-time. More detailed information can be obtained by contacting the International Student Office.

Address: 11929 West Airport Blvd, Stafford, TX, 77477 (Room 736)
Phone: 832-230-5544
E-mail: iso@na.edu

International students, both undergraduate and graduate, are required to demonstrate English proficiency in one of the following ways:

Undergraduate Students
- TOEFL: 79 IBT, 550 PBT, 213 CBT
- IELTS: 6.5
- SAT Reading: 500
- ACT English: 23
- ACCUPLACER Scores: Reading: 80, Writing: 6
- Composition and Rhetoric I with a grade of "C" or better from a U.S. based college or university.
- TSI or its equivalent in other states
- A bachelor's degree or higher from a U.S. institution

Graduate Students
- TOEFL: 79 IBT, 550 PBT, 213 CBT
- IELTS: 6.5
- Composition and Rhetoric I or II with a grade of "B" or better from a U.S. based college or university
- A bachelor's degree or higher from a U.S. institution
- Two (2) years of teaching experience in an English Speaking Country for M.Ed. programs; two (2) years of verified relevant work experience in the U.S for other master programs
- Completion of six (6) graduate credits with a minimum grade of B in a U.S. institution

Students who meet the following minimum criteria are considered "partially English proficient." These students are required to successfully complete remedial reading and writing courses given at NAU in their first semester, or successfully complete the Developmental Reading and Writing course offered at Gulf Language School Intensive English Program at NAU.

Undergraduate Students
- TOEFL: 61 IBT, 500 PBT, 173 CBT
- IELTS: 5.5
- SAT Reading: 400
- ACT English: 17
- ACCUPLACER Scores: Reading: 60, Writing: 5
- Completion of or testing out from the advanced level in the Gulf Language School Intensive English Program at NAU
- Completion of a degree or high school in an English speaking country*

Graduate Students
- TOEFL: 61 IBT, 500 PBT, 173 CBT
- IELTS: 5.5
- Completion of or testing out from the advanced level in the Gulf Language School Intensive English Program at NAU
- Completion of a degree or high school in an English speaking country*
  * The full list of approved English speaking countries is available through the International Student Office.

3.4. College Readiness

College readiness is the combination of knowledge and skills in English and mathematics necessary to qualify for and succeed in college-level, for-credit coursework without the need for remediation. North American University requires students that do not meet the minimum college-readiness standards, to take the Accuplacer assessment to determine non-exempt students' current academic levels in mathematics, reading, and writing before course enrollment into NAU. Students who fail one or more sections of these exams will be required to take and successfully complete appropriate remedial courses in the subjects that they failed.

A student may be considered college ready and exempt from taking the Accuplacer based on the following criteria *("English" encompasses both Reading and Writing)*:

NAU undergraduate testing exemption minimum scores		
Source	**Subject**	**Scores**
Accuplacer **(all 3 must meet minimum)**	Reading	80
	Writing	6
	Math	80
SAT	Reading	500
	Writing	500
	Math	500
ACT	Math	23
	English	23
TAKS	English	2300
	Math	2300
STAAR	Reading/Writing/Math	**End-of-course score:** 2 English III / 2 Algebra II
TSI Tests	English	Reading of 351 writing 5 or Reading of 363 writing 4
	Math	Math 350
Transfer of Composition & Rhetoric	English	C- or above
Transfer of College Algebra	Math	C- or above
Gulf Language School Intensive English Program	Developmental Reading and Writing course	70

3.5.   Transfer Credits

North American University allows for transfer of credits from other higher-learning education institutions as well as credits earned by examination. NAU does not accept life experience nor vocational school work for transfer credits. The transferable courses for which transfer credits are awarded will be determined by NAU Academic Department Chairs. The student can appeal the determination of the department chair by submitting an appeal form to the Vice President for Academic Affairs who will make the final decision on the matter. Transfer credits are counted in the calculation of credit hours attempted and credit hours earned toward successful course completion percentage and maximum time frame allowed.

3.5.1. Receiving Credit from another Institution of Higher Learning

North American University allows for a maximum of 90 undergraduate credits (including credit by examination) to be transferred from a 4-year college or university or a student can transfer a maximum of 66 credit hours from community colleges. Developmental or vocational course work is not accepted for transfer credit for an undergraduate degree, but is taken into consideration for decisions regarding college readiness. Transferable coursework with grades of "C-" or above may be accepted for transfer credit from other institutes of higher learning. Graduate students may transfer up to 18 graduate level credits with a grade of "B-" or above.

North American University requires prospective students with transfer credits to submit official transcript(s) from each previous institution attended. Failure to submit official transcripts from one or more of the previously attended institutions may result in hold of the student's MyNAU account and revocation of transfer credits. International university transcripts require a course-by-course evaluation, with a calculated U.S. equivalent grade point average, through an approved evaluation agency. Contact the Admissions Office for a list of approved agencies.

3.5.2. Transferring Credits by Examination

Transfer credits for undergraduate students may be accepted through nationally recognized standardized tests such as: SAT/ACT scores and AP Tests and CLEP Tests and ACCUPLACER. Students are required to submit official test scores. Students may also earn credit for COMP 1314 Computer Applications and Literacy course by achieving a passing score in the proficiency exam prepared and administered by the institution. A maximum of 30 credit hours may be transferred by credit by examination.

Math Equivalency Chart for SAT, ACT and ACCUPLACER

College Algebra		Pre-calculus		Calculus	
Prerequisite	**Exemption**	**Prerequisite**	**Exemption**	**Prerequisite**	**Exemption**
SAT Math 500	SAT Math 600	SAT Math 600	SAT Math 700	SAT Math 700	
ACT Math 23	ACT Math 26	ACT Math 26	ACT Math 30	ACT Math 30	
Accuplacer Elementary Algebra 80	Accuplacer College Level Math 100	Accuplacer College Level Math 100			

English Equivalency Chart for SAT, ACT and ACCUPLACER

Composition and Rhetoric I		Composition and Rhetoric II		English upper	
Prerequisite	Exemption	Prerequisite	Exemption	Prerequisite	Exemption
SAT Reading 500	SAT Reading 600	SAT Reading 600	SAT Reading 700	SAT Reading 700	
ACT English 23	ACT English 26	ACT English 26	ACT English 30	ACT English 30	
Accuplacer Reading 80 Writing 6					

Credit by Examination Transferability Chart for AP, CLEP, and IB

If a student has taken more than one test that counts towards the same course equivalency, the additional test may be counted towards electives.

TEST	Required Score	Course Equivalency
AP EXAMS		
Art History	3	ARTS 1311
Music Theory	3	ARTS 1311
Studio Art 2-D Design	3	ARTS 1311
Studio Art 3-D Design	3	ARTS 1311
Studio Art Drawing	3	ARTS 1311
English Language and Composition	3	ENGL 1311
English Literature and Composition	3	ENGL 1311
Comparative Government and Politics	3	GOVT 2311
European History	3	HIST 1311
Human Geography	3	GEOG 2311
Macroeconomics	3	ECON 2311
Microeconomics	3	ECON 2312
Psychology	3	PSYC 2311
US Government and Politics	3	GOVT 2311
US History	3	HIST 1311 & HIST 2312
World History	3	HIST 1311
Calculus AB	3	MATH 2314
Calculus BC	3	MATH 2314 & MATH 2315
Computer Science A	3	COMP 1314
Computer Science AB	3	COMP 1314 & COMP 1411
Statistics	3	MATH 1312
Biology	3	BIOL 1311

Chemistry	3	CHEM 1311
Environmental Science	3	GEOL 1311
Physics I	3	PHYS 1311
Physics II	3	PHYS 2412
Physics C: Electricity and Magnetism	3	PHYS 1311
Physics C: Mechanics	3	PHYS 1311
Chinese Language and Culture	3	ELEC 1
French Language and Culture	3	ELEC 1
German Language and Culture	3	ELEC 1
Italian Language and Culture	3	ELEC 1
Japanese Language and Culture	3	ELEC 1
Latin	3	ELEC 1
Spanish Language and Culture	3	ELEC 1
Spanish Literature and Culture	3	ELEC 1
CLEP TESTS		
American Literature	50	ENGL 2316
Analyzing and Interpreting Literature	50	ENGL 2314
College Composition	50	ENGL 1311
College Composition Modular	50	ENGL 1311
English Literature	50	ENGL 2315
Humanities	50	ARTS 1311
French Language	50	ELEC 1
German Language	50	ELEC 1
Spanish Language	50	ELEC 1
American Government	50	GOVT 2311
History of the US: Early Colonization to 1877	50	HIST 1311
History of the US II: 1865 to Present	50	HIST 2312
Human Growth and Development	50	EDUC 2312
Introduction to Educational Psychology	50	EDUC 2311
Principles of Macroeconomics	50	ECON 2311
Principles of Microeconomics	50	ECON 2312
Introductory Psychology	50	PSYC 2311
Introductory Sociology	50	SOCI 2311
Western Civilization I: Ancient Near East to 1648	50	HIST 2313
Western Civilization II: 1648 to Present	50	HIST 2313
Biology	50	BIOL 1311
Calculus	50	MATH 2314
Chemistry	50	CHEM 1311
College Algebra	50	MATH 1311
College Mathematics	50	MATH 1311

Natural Sciences	50	GEOL 1311
Pre-calculus	50	MATH 1313
Trigonometry	50	MATH 1311
Financial Accounting	50	ACCT 2311
Information Systems and Computer Applications	50	COMP 1314
Introductory Business Law	50	BUSI 3315
Principles of Management	50	MNGT 2311
Principles of Marketing	50	MRKT 2311
IB TESTS		
Art/ Design	4	ARTS 1311
Biology	4	BIOL 1311
Chemistry	4	CHEM 1311
Computer Science/ Computing Studies	4	COMP 1314
Dance	4	ARTS 1311
Economics	4	ECON 2311
English A1	4	ENGL 1311 & ENGL 1312
Film	4	ARTS 1311
Geography	4	GEOG 2311
History	4	HIST 1311
History of the Americas	4	HIST 1311
Management	4	MNGT 2311
Mathematics	4	MATH 1311
Mathematics Studies	4	MATH 1311
Music	4	ARTS 1311
Physics	4	PHYS 1311
Psychology	4	PSYC 2311
Theater Arts	4	ARTS 1311
Visual Arts	4	ARTS 1311

4. FINANCIAL INFORMATION

Attending North American University represents a significant investment in the future of students. Like all investments, there is a financial aspect to consider. The Office of Financial Aid is at your service during the financial planning phase of your time at NAU.

4.1. Tuition and Fees

4.1.1. Undergraduate Programs

Per Semester Tuition for Resident Students

Per credit hour for 1-11 credits	: $475.00
Tuition for 12-16 credit hours	: $5,725.00
Each additional credit over 16 credits	: $475.00

Per Semester Tuition for International Students

Per credit hour for 1-11 credits	: $600.00
Tuition for 12-16 credit hours	: $7,225.00
Each additional credit over 16 credits	: $600.00

Per Semester Fees for All Students

Computer and Internet Fee	: $75.00
Departmental Fee	: $35.00
Library Fee	: $35.00
Student Service Fee	: $80.00
Course with Lab Fee	: $50.00
Health Insurance Fee (Estimate)	: $775.00 *(International Students only)*

Other Fees

Late Registration Fee	: $150.00
Late Add/Drop Fee	: $30.00
Withdrawal Fee	: $30.00
Accuplacer Test Fee	: $45.00
Compass ESL Test Fee	: $55.00
Transcript Fee	: $10.00
Verification of Enrolment Fee	: $5.00
Notary Services Fee	: $15.00
Same Day Service Fee	: $40.00
Re-enrollment/Admission Fee	: $70.00
International Transcript Translation	

& Evaluation Fee	: $290.00
I-20 Processing/Transfer Fee	: $60.00
I-20 International Mailing Fee	: $100.00
I-20 Reinstatement Fee	: $190.00

One-time Student Fees

Application Fee-Freshman Resident	: Waived
Application Fee-Freshman International	: $100.00
Application Fee-Transfer International	: $60.00
Transcript Evaluation Fee	: $150.00
Graduation Fee	: $110.00

Sample Approximate Cost per Semester for Resident Student

Tuition (12-16 hours)	$5,725.00
Fees	$225.00
Room	$2,300.00
Meal Service	$2,200.00
Books & Supplies	$600.00
TOTAL	**$11,050.00**

Sample Approximate Cost per Semester for International Student

Tuition (12-16 hours)	$7,225.00
Fees	$225.00
Room	$2,300.00
Meal Service	$2,200.00
Books & Supplies	$600.00
TOTAL	**$12,550.00**

4.1.2. Graduate Programs

Resident Students:

Master of Business Administration (M.B.A.)
  Total tuition (36 credits)   : $9,900.00
  Tuition per credit   : $275.00

Master of Education (M.Ed.)
  Total tuition (36 credits)   : $7,900.00
  Tuition per credit   : $219.44

Master of Science in Computer Science (M.S. CS)
  Total tuition (36 credits)   : $9,900.00
  Tuition per credit   : $275.00

International Students:

Master of Business Administration (M.B.A.)
  Total tuition (36 credits)   : $17,900.00
  Tuition per credit   : $497.22

Master of Education (M.Ed.)
  Total tuition (36 credits)   : $13,900.00
  Tuition per credit   : $386.11

Master of Science in Computer Science (M.S. CS)
  Total tuition (36 credits)   : $19,900.00
  Tuition per credit   : $552.77

Per Semester Fees
  Computer and Internet Fee : $110.00
  Departmental Fee   : $50.00
  Library Fee   : $35.00
  Student Service Fee   : $55.00
  Health Insurance Fee (Estimate) : $775.00 *(International Students only)*

Other Fees
  I-20 Processing/Transfer Fee : $60.00
  I-20 International Mailing Fee : $100.00
  I-20 Reinstatement Fee   : $190.00
  International Transcript
  Evaluation Fee   : $150.00

Late Registration Fee   : $150.00
Late Add/Drop Fee   : $30.00
Notary Services Fee   : $15.00
Re-enrollment/Admission Fee   : $70.00
Same Day Service Fee   : $40.00
Transcript Fee   : $10.00
Verification of Enrolment Fee   : $5.00
Withdrawal Fee   : $30.00

One-Time Student Fee

Application Fee-Resident Graduate   : $60.00
Application Fee-International Graduate
(Includes Transcript Evaluation)   : $250.00
Graduation Fee   : $110.00

4.2. Payment of Tuition and Fees

Students are solely responsible from their student account and must closely follow payment deadlines to avoid late fees and/or registration cancellation due to non-payment. A student's registration will not be complete, and thus, may not attend classes, unless his/her student account balance is in good standing. A student's account will be considered in a good standing if he/she pays off total balance upfront, enrolls in the payment plan, or has sufficient financial aid (e.g. FAFSA) pending disbursement.

The University offers a deferred payment plan to help students pay their tuition and fees. Only students in a good academic and financial standing can take advantage of this plan. A student must consult with the Bursar's Office or email sa@na.edu to get more information and develop their individual deferred payment plan. Payments can be made online at MyNAU student portal or in person at NAU's Bursar's Office. For further details about deferred payment plan please visit NAU website.

Payments may also be mailed to NAU Bursar's Office:
North American University Bursar's Office
Main Building, Room 737
11929 W. Airport Blvd.
Stafford, TX 77477

Please write your NAU ID in the memo section of your check. Students must pay close attention to payment deadlines to avoid late fees. The following fees may apply:

Late Payment Fee   : $100.00 *(for each late payment)*
NSF (Non-Sufficient Fund) Fee   : $35.00 *(for each returned check)*
Payment Plan Enrollment Fee   : $100.00

4.3. Cancellation and Refund Policies

4.3.1. Cancellation Policy

A full refund will be made to any student who withdraws from courses prior to or by the first day of classes.

4.3.2. Refund Policy

North American University strictly enforces the refund guidelines set by the Texas Higher Education Coordination Board. Class days refer to the number of calendar days the institution normally meets for classes, not the days a particular course meets.

All "drop or withdrawal" actions must be submitted by the student in writing to the Office of the Registrar. A student who drops a course on or before the first class day will get a full refund for the tuition and fees applicable to the course. A refund for students who withdraw from the University or a course is calculated based on the following schedule:

Fall and Spring Semesters	**Percentage Refunded**
Prior to or on the 1st class day	100%
Between the 2nd and 15th class days	70%
Between the 16th and 20th class days	25%
After the 20th class day	None

Summer 6-Week Session	**Percentage Refunded**
Prior to or on the 1st class day	100%
Between the 2nd and 5th class days	70%
Between the 6th and 10th class days	25%
After the 10th class day	None

Summer 12-Week Session	**Percentage Refunded**
Prior to or on the 1st class day	100%
Between the 2nd and 10th class days	70%
Between the 11th and 15th class days	25%
After the 15th class day	None

Refund checks will be sent to the student's permanent mailing address (as recorded with the Office of the Registrar) within 14 calendar days. Those withdrawing students receiving any form of financial aid should also consult with the Return to Title IV policy. This policy provides information about how the students should return financial aid funds for unearned credit.

4.4. Financial Aid and Scholarships

North American University offers various opportunities to increase the accessibility of the University's educational programs to all qualified students. NAU is committed to helping students and their families find sources of financial aid such as scholarships, grants and loans.

4.4.1. Financial Aid Office

The Financial Aid Office helps students with financial planning at NAU. The services of the Financial Aid Office include but are not limited to:

- Assisting students with various financial aid sources including federal financial aid.
- Organizing Financial Aid Workshops for interested candidates to increase their awareness of all financial support available to them.
- Helping students apply for financial aid and fulfill the requirements for continuation of aid.

Students should contact the Office of Financial Aid to learn how they can seek financial aid and/or find scholarships.

4.4.2. Federal Financial Aid

North American University participates in the Federal Student Aid (FSA) program offered by the U.S. Department of Education. To receive federal student aid, eligible students should apply via the Free Application for Federal Student Aid (FAFSA) using the North American University school code (041975) on their application. Students must be enrolled full-time to be considered for full financial aid and be on track for satisfactory academic progress.

Need-based aid is provided to students in the form of grants and loans. The maximum Pell Grant for the 2016-2017 academic year is $5,815. In addition, subsidized and unsubsidized federal direct loans are available in varying amounts depending on a student's dependency status and year in the undergraduate program he/she is enrolled in. Unsubsidized loans are also available to eligible graduate students.

The FAFSA is available for students to apply throughout the 2016-2017 award year. For more information about federal student aid, please contact the Office of Financial Aid.

4.4.3.   University Scholarships

Merit-based scholarships are available for qualified undergraduate students. Scholarship recipients must meet all University requirements for regular admission in the fall and spring semester for eligibility. Full-time students (12 credits or more per semester) may qualify for scholarships toward their tuition as outlined in the table below. Students will be responsible for all other expenses such as application and school fees. Currently NAU does not offer scholarships to graduate students.

4.4.3.1.   Application Procedure for University Scholarships

Students must submit all supporting documents including SAT, ACT, high school transcripts and previous college transcripts to apply for NAU scholarships. Contact the Admissions Office at admissions@na.edu for more information.

Academic achievement scholarships (Level 1 through 4) may be subject to change based on a student's CGPA per academic year. Late supporting documents will not be accepted once initial scholarship award has been issued.

The University additionally offers institutional merit-based scholarships, such as Sports Scholarships, Exceptional Merit Scholarship for International Students, and International Diversity Scholarships.

University Scholarship Application Deadlines
- August 1st for Fall 2016
- January 1st for Spring 2017

New students seeking more information about scholarship opportunities at North American University should contact the Admissions Office. Current students should contact the Financial Aid Office.

5. ACADEMIC POLICIES

5.1. Academic Policies

5.1.1. Academic Advising

Each student at North American University is assigned an academic advisor upon admission by the Department Chair of their undergraduate or graduate program of study. Advisors counsel students in achieving their educational and career goals, understanding university policies and procedures, and ensuring success in personal and professional development. Advisors assist students to develop a plan of study based on the student's degree requirements and objectives. However, the final responsibility remains that of the student.

Students are expected to communicate with their advisors regularly, especially during course registration periods and when students cannot demonstrate satisfactory academic progress.

5.1.2. Academic Regulations for International Students

The International Student Office (ISO) administers academic regulations for international students on student visas. In addition to complying with the general academic regulations of the University, international students on student visas are required by law to maintain a full-time status (minimum 12 credit hours for undergraduate students, 9 credit hours for graduate students) during fall and spring semesters, and to be progressing toward a degree from the University. Such students must obtain permission from both the academic advisor and the ISO before dropping a course, changing programs, or withdrawing from the University.

Any student who fails to comply with the terms and requirements of the visa status will not be allowed to enroll in any courses offered by the University until he or she resolves the issue with the U.S. Citizenship and Immigration Services (USCIS). Students are responsible for keeping their own records and for knowing the USCIS's policies and regulations.

5.1.3. Degree Plans

Undergraduate students who have accrued 60 credit hours toward a bachelor's degree must have an approved degree plan on file in the department of their major or with their academic advisor. The student and the academic advisor may modify the plan as needed.

Students who accumulated a total of 60 or more credits - including completed and scheduled credits - cannot register for subsequent semesters without an approved degree plan.

5.1.4. Course Registration

North American University has designated periods for course registration as well as adding and dropping courses announced in the Academic Calendar. Registration services performed after the established deadlines must have the approval of the Registrar. Enrollment in closed or restricted classes must be authorized by the department chairs.

Students should meet and consult with their advisors during these periods. Advisors assist students in selecting their respective classes for the term in compliance with the requirements of the degree program. However, it is the responsibility of the students to fulfill requirements of their degree program in which they are enrolled.

5.1.5. Course Load

Undergraduate students should enroll in at least 12 credit hours in Fall or Spring semesters to maintain full-time status. Minimum course load for half-time students is 6 credit hours. Recommended course load for students with satisfactory academic progress is 15 credit hours a semester but students can register for up to 19 credit hours with advisor approval. Students in SAP probation are allowed to register for a maximum of 13 credit hours a semester until they maintain satisfactory academic progress. Recommended credit load for any student who is enrolled in remedial courses is a maximum of 13 credit hours.

Schedules for more than 19 credit hours may only be permitted if one or more of the following criteria are met:
- The student has a 3.0 GPA (B average) on all courses completed and for the immediately preceding semester
- The student is a senior in good standing.

If a student wants to register for more credits than the maximum course load and none of the above holds, the student should submit a petition to the Department Chair. A desire to meet a specific graduation date is not, in itself, sufficient reason to request the privilege of a greater than normal load.

Students should be aware that any course-load over 16 credit hour per semester is subject to additional tuition charges. For more information regarding tuition charges, students should refer to the financial information section of the academic catalog or contact the Business Office.

Graduate students should enroll in 9 credit hours to maintain full-time status during Fall and Spring semesters. Minimum course load for half-time students is 6 credit hours.

5.1.6. Adding and Dropping Courses

Students can add, drop, or withdraw courses with the approval of their advisors during the periods published in the academic calendar. All changes require the appropriate form (available on the Registrar's web page) and must be completed no later than the published deadline.

Courses officially dropped before the last day to drop courses with a fee are not recorded on the transcript. The courses dropped before the last day to drop a course with a 'W' are recorded as "W", but are not computed in the GPA.

5.1.7. Transfer of Credit for Registered Students

Undergraduate students may transfer up to 18 credit hours from other accredited institutions while enrolled at NAU. Transfer courses may be taken only in summer semesters and should not exceed 6 credit hours per summer.

5.1.8. Attendance Policy

Regular class attendance is essential for academic success and students are expected to attend all classes unless prevented by unavoidable reasons. Students are responsible for notifying instructors about absences that result from serious illnesses, injuries, or critical personal problems in a timely manner.

The university has no specific policy on number of excused or unexcused absences but faculty are responsible for maintaining the attendance records in the campus management system. Instructors may establish policies on attendance and making up missed work in their classes. Such policies should be clearly mentioned in the syllabus and announced at the beginning of the semester.

5.1.9. Grade Change Policy

Grades are posted at the close of each semester by professors. A grade can be changed only if a "clerical or procedural error" can be documented. No change of grade may be made on the basis of reassessment of the quality of a student's work or the completion of additional work, with the exception of the grade "Incomplete". The Registrar's Office is the only department which can change grades within the campus management system.

5.1.10. Academic Honesty

Academic honesty is a fundamental principle of learning and a necessary foundation for all academic institutions. North American University expects students to be honest and demonstrate integrity in all aspects of their relationship with the university (e.g., application, transfer evaluation, course work, internships, student teaching, and interactions with faculty, staff, and students).

Violation of this principle includes, but is not limited to, cheating, plagiarism, unauthorized collaboration, forgery, and alteration of records, along with any lying, deceit, bribery, coercion, or intimidation for the purpose of influencing a grade or for any other academic gain.

Such violations are unacceptable and resulting actions may range from a reduction of the grade on an assignment, through failure of a course, to suspension or even dismissal from the academic program or the university.

5.1.11. Auditing Courses

North American University does not officially recognize audits. Students may therefore not register to audit any course. With the permission of the instructor, students may unofficially visit any course, but no record is kept of courses so visited.

5.1.12. Undergraduate Enrollment in Graduate Courses

Undergraduate seniors completing 90 credits with a CGPA 2.75 or better may enroll in graduate courses upon advisor's approval. Graduate courses can be taken either towards a graduate degree or as an elective toward an undergraduate degree. If applied toward an undergraduate degree, those courses cannot be applied to a graduate degree. If the courses are applied toward a graduate degree, the credits are subject to the same rules as transfer work.

For these students, the total number of hours taken in one semester may not exceed 15 credit hours, which includes no more than 6 credit hours of graduate courses. Students enrolled in graduate courses will pay graduate-level tuition and fees associated with those courses. The institution has no obligation to admit undergraduate students to graduate courses.

5.1.13. Graduation Policy

Undergraduate students who are expecting to complete 120 or more credit hours at the conclusion of the term with a CGPA of 2.0, take all required courses as listed in their degree audit and have no holds on their account are eligible to apply for graduation. Graduate students who are

expecting to complete 36 or more hours at the conclusion of the term with a CGPA of 3.0, take all required courses as listed in their degree audit and have no holds on their account are eligible to apply for graduation. Students who have a hold on their account will be listed as "Completed" upon the conclusion of their final term until the holds are removed.

Students wishing to graduate must fill out a Graduation Application Form (available on the Registrar's web page) and pay associated fees for graduation to the Business Office. The Graduation Application Form must be approved and signed by the student's advisor and department chair and submitted to the Registrar on or before the following deadlines:
   a. by last Friday in October for December graduation,
   b. by last Friday in February for May and August graduation.

All financial obligations to the University must be satisfied before the University can issue a diploma or an official transcript to a student.

Students who applied for graduation but have not completed academic requirements at the conclusion of the term must re-apply for graduation and their graduation date will be moved to the next conferral date.

5.1.14. Grade Appeal Policy

Students are allowed to appeal any individual course grade at the close of each semester. The Office of Academic Affairs is the only department which can process Academic Appeal requests and relay information to other university officials and/or departments of the Academic Appeals Committee findings. Students who wish to appeal a grade may fill out the Appeal Request Form, found on the Registrar's website, and email it with their letter of appeal to academicaffairs@na.edu.

The Office of Academic Affairs will be notified by the Academic Appeals Committee chairperson of the findings of the committee. It is at this time the outcome of the hearing will be communicated with the student who has requested the appeal and the Registrar's Office.

5.1.15. Final Examinations

North American University administers final examinations according to a schedule published on the Academic Calendar. The university expects students and instructors to follow this schedule. Instructors must give final examinations within the hours set aside in the examination schedule.

5.1.16. Withdrawal from University

Students intending to withdraw from the university must fill out all applicable fields in the Official Withdrawal form (available on the Registrar's web page) and turn it into the Registrar's Office. Students who have an outstanding balance or an applicable hold on their account cannot be officially withdrawn.

Unofficial withdrawals are determined when a student appears to no longer be active within the school but failed to submit an Official Withdrawal Form.

Students who have previously withdrawn or have been unofficially withdrawn and have not been enrolled at NAU for no more than two long semesters after their withdrawal can apply to re-enroll at the university. Students not enrolled at NAU for three or more long semesters must apply for re-admission through the Admissions Office.

5.1.17. Transcript Requests

The Transcript of Records or "transcript" is an inventory of the courses taken and grades earned by a student throughout his/her enrollment at the University, including transferred credits from other institutions. The Office of Registrar issues academic transcripts. In accordance with the Family Educational Rights and Privacy Act (FERPA), personnel in the Office of Registrar issues transcripts only upon the written consent of the student. No transcripts will be released until all University obligations are satisfied.

Transcript requests may be processed as regular or expedited. Regularly processed transcript requests are finalized within four (4) business days from the date of request submission. Official transcripts can be requested from the Office of the Registrar for a cost of $10.00 per copy for domestic mailing or pickup only. Official transcript requests from overseas will be charged an additional mailing fee.

Expedited transcript requests are fulfilled in the same business day. Requests submitted after 4 pm will be deemed as submitted on the following working day. The fee for expedited requests is $40 per transcript plus the expedited shipment fee.

Transcripts may be ordered online only thru NAU's website. The instructions and payment information can be found on the Registrar's webpage.

5.1.18. Academic Records and Release of Information

The Family Educational Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. These rights are as follows:

1. Students have the right to inspect and review their education records within 30 days of the day the University receives the request.
2. Students have the right to request amendment of their education records that they believe are inaccurate or misleading. If the University denies a student requested amendment, the student has the right to a hearing regarding the requested amendment to his/her education record.
3. Students have the right to consent to disclosures of personally identifiable information in their education records, except to the extent that FERPA authorizes disclosure without consent.
4. Students have the right to file a complaint with the U.S. Department of Education concerning alleged failures by the University to comply with the requirements of FERPA. Such complaints may be sent to the Family Policy Compliance Office of the Department of Education or the Accrediting Council for Independent Colleges and Schools, NAU's national accreditor.

> Family Policy Compliance Office
> U.S. Department of Education
> 400 Maryland Avenue, S.W.
> Washington, D.C. 20202- 5920.
>
> ACICS
> 750 First Street, NE Suite 980
> Washington, DC 20002

Review and Amendment of Academic Records

Students may inspect and review their educational records based on written request. Access is given to students within 30 days after the request has been made. An appropriate administrative official or member of the faculty obtains the record for the student and remains present while the student reviews the records.

Students have the right to inspect information in their education records. Students wishing to review their education records must make written requests to the appropriate campus official listing the item or items of interest. Students who believe that their records contain misleading information may challenge the contents of their education records and request a hearing if the outcome of their appeal is unsatisfactory. Student education records are handled by the Office of the Registrar; financial aid and billing related matters are coordinated by the Office of Financial Aid and the Business Office.

Students may not inspect the following as outlined by the Act: financial information submitted by their parents; confidential letters and recommendations regarding admissions, employment or job placement; and education records that include information about another student.

If the decisions of the campus official from the related office are in agreement with the student's request, the appropriate records will be amended. If not, the student will be notified within a reasonable period of time that the records will not be amended. If the student chooses to seek a hearing procedure, he/she must submit a request in writing to the Vice President for Academic Affairs. The student will be informed of the date, place, and time of the hearing. Students may present evidence relevant to the issues. The hearing panels to adjudicate such challenges will be the Vice President for Academic Affairs, representatives of the Dean of Students and the corresponding Department Chair. Decisions of the hearing panels are final; necessary corrections will follow, if necessary.

Release of Information
North American University, in accordance with FERPA (Family Educational Rights and Privacy Act), does not release personal information about students to third parties except under certain conditions or unless the student authorized the release. The exceptional conditions are:

Common Exceptions
   a) School officials may access a student's file and records as long as they have a "legitimate educational interest".
   b) Basic student information such as name, email address, etc. may be released in a directory. However, the student must be given ample opportunity to withhold their information from a public directory. NAU uses the census date for directory purposes which is 20 class days after classes have started.
   c) School records may be released to another institution if the student is attempting to enroll in that institution. However, unless the student has initiated the release of information, attempts must be made to contact the student prior to releasing information.
   d) Pertinent student information may be released to Financial Aid if the information will affect the student's eligibility.

Other Exceptions
   a) Dependent Student Exemption - If a student is claimed on a parent's most recent federal tax return, they are viewed as a "dependent student".   In this case, the school may non-consensually disclose the eligible student's education records to both parents. Dependent Student Exemption cannot be applied for international students.
   b) Health and Safety Emergency - Under this provision, colleges and universities may notify parents when there is a health or safety emergency involving their son or daughter, even if the parents do not claim the student as a dependent.

c) Alcohol, Drugs and Criminal Acts - FERPA also permits the non-consensual release of information to parents if the student has been charged with a crime by any local, state or federal law enforcement agencies in regards to the crime that the student has been charged. If a student is in violation of school rules and faces disciplinary charges regarding alcohol and controlled substances AND they are under 21 at the time of disclosure, the parents may also be informed of the violations that have occurred.

d) Other Legal Exceptions - Release of information may occur in the following circumstances:

    i. To authorized representatives of the Comptroller General of the United States, the Attorney General of the United States, the U.S. Secretary of Education, and State and local educational authorities for audit or evaluation of Federal or State supported education programs, or for the enforcement of or compliance with Federal legal requirements that relate to those programs;

    ii. To organizations conducting studies for or on behalf of the school making the disclosure for the purposes of administering predictive tests, administering student aid programs, or improving instruction;

    iii. To comply with a judicial order or a lawfully issued subpoena;

    iv. To the victim of an alleged perpetrator of a crime of violence or a non-forcible sex offense concerning the final results of a disciplinary hearing with respect to the alleged crime; and

    v. To any third party the final results of a disciplinary proceeding related to a crime of violence or non-forcible sex offense if the student who is the alleged perpetrator is found to have violated the school's rules or policies. The disclosure of the final results only includes: the name of the alleged perpetrator, the violation committed, and any sanction imposed against the alleged perpetrator. The disclosure must not include the name of any other student, including a victim or witness, without the written consent of that other student.

Public Information

North American University provides information about the University in accordance with the provisions of the Act and publishes this information in the University directory, website and advertisement materials. According to the FERPA, the following is considered as directory information and the university may release or publish those information without the student's consent: Full name; date and place of birth; major field of study; dates of attendance; degrees, honors and awards received; most recent educational institution attended; campus address and telephone number and student assigned e-mail; home address and telephone number; participation in officially recognized academic programs, student activities and sports.

Students can choose to restrict the release of directory information by submitting a formal request to the University to limit disclosure before the census date, which is 20 class days after classes start.

5.2. Academic Standards

5.2.1. Minimum Class Enrollment

The University reserves the right to discontinue a course if fewer than six students register for that course.

5.2.2. Credit Hours

The unit of measurement for academic work is the credit hour. One academic semester credit hour is equal to a minimum course time of:
      (A) 15 hours of classroom lecture;
      (B) 30 hours of laboratory experience;
      (C) 45 hours of internship/externship/practicum

5.2.3. Course Numbers

Courses are identified by subjects and four-digit numbers. The first digit indicates the course level. A "1" indicates first-year or entry level course, a "2" indicates second year course, "3" and "4" indicate upper-division courses, and a "5" indicates a graduate level course. The second digit indicates the number of credit hours earned for successful completion of the course. The final two digits indicate the departmental/program sequence.

Weekly contact hour information is demonstrated by two hyphenated digits as a part of course descriptions. The first digit indicates number of contact hours for classroom lecture and the second digit indicates number of contact hours for laboratory experience. Internship courses indicate no standard lecture or laboratory contact hours as class time is spent outside the normal classroom environment.

Example: COMP 1411 Cr. 4 (3-2) stands for a first year Computer Science course with four credit hours which is the first course in Computer Science course sequence. This course includes three contact hours of lecture and two contact hours of laboratory per week.

5.2.4. Student Classification

Undergraduate student classification is determined by the total number of earned credit hours; credit hours for currently enrolled courses are not included. Credit for coursework taken at another institution is included only after the transfer credit approval process is complete.

        Freshmen   0-29 earned credit hours
        Sophomores   30-59 earned credit hours

Juniors	60-89 earned credit hours
Seniors	90 or more earned credit hours

5.2.5. Incomplete Course Grades

An Incomplete "I" grade is a non-punitive grade given only during the last one-fourth of a semester and only if a student (1) has completed a majority of class work; (2) has justifiable reason why the work cannot be completed on schedule; and (3) arranges with the instructor to finish the course at a later date within the next regular semester by completing specific requirements. Whenever a grade of Incomplete is assigned, faculty should inform the Department Chair with the requirements for removal of the Incomplete as well as an automatic grade that will be assigned if the student fails to complete the requirements. If a student does not complete the stipulated work within the time specified, the grade will default to F unless the instructor has designated a different automatic grade.

Students who intend to graduate but receive an "I" in one of their courses during their final term should not be given more than 4 weeks to complete the course work unless the course is a practicum course. If it is a practicum course, the student must then register for a completion course and pay any applicable fees for that course during the next full semester. If the student receives an "I" in a practicum course in the Spring term, the student may complete the work during the summer without registering for the completion course.

5.2.6. Repeated Course

A student may repeat a course taken at NAU, provided the original grade was lower than "B" (3.00). If a student repeats a course and has two or more passing grades, the official grade in the course is the last one assigned and the CGPA is adjusted in the semester in which the course was repeated. If a student repeats a course and receives an F in the last attempt, the official grade in the course is the last passing grade. All repeated course attempts remain in student's transcript.

Effective July 1, 2011, due to changes in federal regulations, a student may receive federal financial aid (Title IV Funds) for a repeated course only once if the course was previously passed.

5.2.7. Grading and Point Equivalents

North American University will utilize the following grade scale and point equivalents for undergraduate students:

Letter	Description	Point
A	Excellent	4.00

A-		3.67
B+	Above average	3.33
B		3.00
B-		2.67
C+	Average	2.33
C		2.00
C-		1.67
D+	Below average	1.33
D		1.00
F	Fail	0.00
P	Pass	
T	Transfer credit	
I	Incomplete	
W	Withdrawal	

The following grade scale will be used for graduate students:

Letter	Description	Point
A	Excellent	4.00
A-		3.67
B+		3.33
B	Average	3.00
B-		2.67
C+		2.33
C		2.00
F	Fail	0.00
P	Pass	
T	Transfer credit	
I	Incomplete	
W	Withdrawal	

The cumulative grade point average (CGPA) is calculated by adding the total number of grade points earned, then dividing that number by the total number of hours taken at the University.

5.2.8. Degree Requirements

All candidates for a bachelor's degree must complete 120 credit hours of coursework including 36 credit hours of general education courses. If a course is a part of core or concentration courses of a degree program, the same course cannot be counted towards general education requirements for students in that degree program. Students must complete all course requirements of their

degree programs as specified in Degree Programs section of the catalog. Students must earn a minimum of 2.00 CGPA to be eligible for graduation.

Master's degree candidates must complete 36 credit hours of coursework and fulfill all course requirements of their degree programs as specified in Degree Programs section of the catalog. Students must earn a minimum of 3.00 CGPA to be eligible for graduation.

5.2.9. Concentrations

Students pursue an area of concentration by taking a planned sequence of courses in their degree program. Students should consult their academic advisors to establish a plan that fulfills the necessary requirements. The area of concentration is officially noted on the student's transcript.

5.2.10. The Minor

The University encourages students to complete a minor, that is, a defined program of study in a discipline other than the student's major. A minor must be at least 18 credit hours, at least 6 of which are upper-division credits. Students should maintain at least a 2.00 GPA in their minor courses. Students should consult with the related academic department.

5.2.11. Remedial Courses

The following courses are offered to enable students to enhance their proficiency in the basic skills areas of Reading, Writing, and Mathematics. These are developmental courses and, therefore, carry no college credit:

ENGL R300 Basic Writing
ENGL R301 Development of Reading Skills
MATH R300 Fundamentals of Mathematics

Students should pass the remedial courses within one year. Failure to pass the remedial courses will result in expulsion from the University. Please see the section on College Readiness in this catalog for more information.

5.2.12. Academic Honors

North American University bestows honors to undergraduate students as recognition of outstanding academic achievement. Every student achieving the required proficiency will be granted the Academic Honors and Awards.

President's Honor Roll

Students in these categories are awarded the following honors every semester based on their academic performance:

1. President's Honor Roll with Distinction is based on a 4.000 GPA
2. President's Honor Roll is based on a GPA of 3.500-3.999
3. Honorable Mention is based on a GPA of 3.300-3.499

Eligibility:

- Must be in academically good standing.
- Must be a full-time student and have earned minimum of 12 credit hours in the semester.
- Excludes pass/fail and satisfactory/unsatisfactory grades.
- All grades of "I" must be made up before the honor is given.
- Must not have any grade of F.

Graduation with Latin Honors

North American University recognizes students with qualifying cumulative grade point averages by awarding the Latin honors of cum laude, magna cum laude, and summa cum laude. Those students wear a special stole at the Commencement.

1. *Summa Cum Laude* "With Highest Distinction" is awarded to candidates whose cumulative grade-point average is 3.800 or higher.
2. *Magna Cum Laude* "With Great Distinction" is awarded to candidates whose cumulative grade-point average is 3.600-3.799.
3. *Cum Laude* "With Distinction" is awarded to candidates whose cumulative grade-point average is 3.300-3.599.

Eligibility:

To graduate with honors, students must have completed a minimum of 60 credits with a cumulative GPA earned at North American University that meets the criteria above.

5.3. Satisfactory Academic Progress (SAP) Policy

Students enrolled at North American University must make measurable progress toward completion of their program of study to maintain eligibility for enrollment and for receiving federal financial aid. North American University Satisfactory Academic Progress (SAP) Policy defines the standards to evaluate students' academic progress. These standards are applicable to all undergraduate and graduate students.

5.3.1. Satisfactory Progress

Evaluation of SAP is made at the close of each semester (Fall, Spring, and Summer) by the Registrar's Office once grades are available in the university system. SAP is measured by the following three standards:
1. Maximum Time Frame for Program Completion
2. Qualitative Standard: a required cumulative grade point average (CGPA)
3. Quantitative Standard: a required completion rate

Students who fail to meet any of the above mentioned standards will be considered not maintaining satisfactory academic progress and be notified of their SAP status via NAU email and/or regular mail. However, students are responsible for monitoring their own SAP status. Failure to receive the notification does not negate the student's SAP status and its implications. Consequences of not maintaining satisfactory academic progress are explained in Failure to Meet SAP Standards section below.

5.3.1.1.   Maximum Time Frame for Program Completion

Federal regulations require that students complete their program within a maximum time frame of 150% of the normal program length measured by attempted credit hours.

For an undergraduate degree program, the normal program length is 120 credits and a student should complete the program in 180 attempted credit hours (180 = 150% of 120 credit hours). For a graduate degree program, the normal program length is 36 credits and a student should complete the program in 54 attempted credit hours (54 = 150% of 36 credit hours).
All registered hours including withdrawals, repeated courses, and all accepted transfer hours will be counted towards maximum time frame.

5.3.1.2.   Qualitative Standard: Required Cumulative Grade Point Average

According to the Federal regulations, undergraduate students must have a cumulative grade point average (CGPA) of 2.00 at the end of the second academic year and thereafter. Undergraduate students are required to have a CGPA of 2.0 for graduation. In addition, undergraduate students must meet the following CGPA requirements at the close of each semester:

Credit Hours Attempted	Minimum CGPA
0 - 23	1.60
24 - 47	1.80
48 - 180	2.00

Graduate students must maintain a CGPA of 3.00 at the close of each semester after attempting 9 credit hours.

5.3.1.3.   Quantitative Standard: Required Completion Rate

Undergraduate students must successfully complete a percentage of all attempted credit hours at the close of each semester according to the table below:

Credit Hours Attempted	Completion Rate
0 - 23	50%
24 - 47	60%
48 - 180	67%

Graduate students must successfully complete at least 75% of attempted credit hours at the close of each semester after attempting 9 credit hours.

5.3.2.   Failure to Meet SAP Standards

5.3.2.1.   SAP Warning

Students are placed on SAP Warning for one semester if they do not meet the qualitative or quantitative SAP standards. Students on SAP Warning may be eligible for financial aid for one semester but must work towards improving their CGPA and/or completion rate to meet the SAP standards by the end of the semester. Students who fail to meet the qualitative standard at the end of the second academic year will be placed on SAP Suspension.

5.3.2.2.   SAP Suspension

Students are placed on SAP Suspension for one of the following reasons:
1. Do not meet the qualitative or quantitative SAP standards after one semester on SAP Warning
2. Do not meet the qualitative or quantitative SAP standards after one semester on SAP Extended Enrollment (see section 5.3.2.4)
3. Do not meet the qualitative or quantitative SAP standards at the end of SAP Probation period (see section 5.3.2.3)
4. Do not meet the requirements of their Academic Plan while on SAP Probation (see section 5.3.2.3)
5. Do not maintain a CGPA of 2.0 at the end of second academic year
6. Exceed the maximum time frame for program completion

Students are not eligible to enroll in classes or receive federal financial aid while on SAP Suspension. Students who are placed on SAP Suspension may file an appeal if any mitigating circumstances resulted in their suspension. Details of the appeal procedures are explained in Appealing SAP Suspension section.

F-1 students placed on SAP Suspension will have their F1 visa status terminated unless their appeals are accepted.

5.3.2.3. SAP Probation

A student whose appeal is approved by the SAP Appeals Committee may be placed on SAP Probation. Students on SAP Probation are eligible to receive federal financial aid.

SAP Probation is one semester with the possibility of additional semesters if it is approved in the Academic Plan (not the same as a Degree Plan). The Academic Plan is developed by the SAP Appeals Committee and the student, and is a written agreement between a student and the institution in order for the student to improve his/her academic performance. The Academic Plan includes a minimum GPA and a minimum completion rate that the student must achieve every semester during the probationary period. The student is also required to meet SAP standards at the end of the probationary period as a part of the Academic Plan. Registrar's Office will monitor the academic progress of the student at the end of each semester. Academic Plan may be made for students who attempted a less than of 144 credit hours.

If a student does not meet the SAP standards at the end of the probationary period, or fail to achieve the Academic Plan requirements at any semester while on SAP Probation, the student will be placed on SAP Suspension.

If a student on SAP Probation meets the SAP standards at the end of or during the probationary period, the SAP Probation status will be removed and the student will be deemed as maintaining satisfactory academic progress.

5.3.2.4. SAP Extended Enrollment

A student whose appeal is approved by the SAP Appeals Committee may be placed on SAP Extended Enrollment. SAP Extended Enrollment is one semester and students are expected to meet SAP standards at the close of the semester. Students on SAP Extended Enrollment are not eligible for federal financial aid.

5.3.2.5. Appealing SAP Suspension

A student who is placed on SAP Suspension may file an appeal if mitigating circumstances prevented him/her from meeting the SAP standards.

The following is a list of conditions that can be considered as mitigating circumstances which have adversely impacted the student's academic progress.
- Student illness or injury that lead to hospitalization or documented serious illness or injury of the student (including mental health issues)
- Death of an immediate family member (a parent, spouse, sibling or child)
- Illness of an immediate family member where the student is the primary caretaker or the family member is the primary financial support
- Work-related major changes during the period (including Military deployment)
- Natural disaster
- Other extraordinary circumstances that affect the ability to meet SAP standards.

The student should submit an Appeal Request Form to the Registrar's Office by the deadline indicated in the notification letter along with the following documents:
1. Letter of appeal, explaining the mitigating circumstances that resulted in unsatisfactory academic progress, explanation on how the circumstances have been remedied or changed to ensure that the student will be able to meet SAP standards
2. Supporting documentation of the mitigating circumstances, and the remediation or change.

Appeals are reviewed by a committee involving the Director of Financial Aid, Registrar and Student Success Coordinator. Assistant Vice President for Academic Affairs is an ex officio member of the committee. The SAP Appeals Committee may seek information from the students' advisor or related department chair, if necessary. The committee evaluates the appeals and determines whether the student is able to meet the SAP standards by a specific point in time and is deemed eligible to receive federal financial aid. The committee may
- reject the appeal; or
- approve the appeal and place the student on SAP Probation for one semester; or
- approve the appeal and place the student on SAP Probation with an academic plan; or
- approve the appeal and place the student on SAP Extended Enrollment.

Students placed on SAP Suspension due to failure to meet the qualitative standard at the end of the second academic year are not eligible for SAP Probation. SAP Probation with an academic plan option is not applicable for graduate students.

If a student on SAP Probation or SAP Extended Enrollment is placed on SAP Suspension at the close of a semester, the student will not be able to appeal the suspension immediately unless the

mitigating circumstance claim that affected unsatisfactory academic progress is different than the one indicated in the first approved appeal.

5.3.2.6.   Reinstatement of Suspended Students

Students suspended from North American University will not be allowed to reenter the institution for at least one semester (fall or spring for undergraduate students; fall or spring or summer for graduate students) except as provided in the suspension appeals process above.

Any student who has been suspended for at least one semester and wants to return to the university must submit an appeal to the Registrar's Office. The SAP Appeals Committee evaluates the appeals and determines whether the student is eligible to return to NAU and receive federal financial aid.

The following criteria will apply to all students returning to NAU after being suspended for at least one regular semester:
1. Suspended students will return to NAU on either SAP Probation or SAP Extended Enrollment status and are expected to maintain satisfactory academic progress at the close of the semester.
2. Should those students fail to meet SAP standards and are suspended a second time from NAU, they may not be eligible to return to NAU until such time as they have demonstrated, by attending another institution, the ability to succeed academically.

5.3.3.   Term Course Completion Requirement and Regaining Financial Aid Eligibility

5.3.3.1.   Term Course Completion Requirement

If a student receives a non-passing grade (F, W or I) in all attempted credits, the student will no longer be eligible to receive federal financial aid in the subsequent semesters. The Office of Financial Aid will notify students of their failure to meet the requirement. However, students are responsible for monitoring their own academic progress.

5.3.3.2.   Regaining Financial Aid Eligibility

Students placed on SAP Suspension should refer to Appealing SAP Suspension and Reinstatement of Suspended Students sections to regain their financial aid eligibility. Students placed on SAP Extended Enrollment may enroll in classes for one semester at their own expense. Those students are expected to meet SAP standards at the close of the semester. Should a student

on SAP Extended Enrollment meet SAP standards at the close of the semester, he or she will automatically regain financial aid eligibility without having to submit an appeal.

Students who lost their financial aid eligibility due to receiving a non-passing grade in all attempted credits may appeal to the Financial Aid office to receive federal financial aid in the subsequent semester if there were extenuating circumstances which impacted the student's academic performance. Appeals must include a detailed description of the extenuating circumstances (such as personal illness, illness or death of immediate family, or financial obligations which require changes in employment that conflict with class schedules) that occurred during the semester in which the student failed to complete his/her coursework. The appeal must also include all necessary documentation to support the existence of the circumstances described and evidence that the circumstances have been resolved. Appeals must be received by the Financial Aid Office by the announced deadline.

Students seeking to reestablish financial aid eligibility remain ineligible to receive financial aid or deferment of payment until the appeal process is complete and a decision has been made. Students should be prepared to pay tuition, fees, and other educational expenses until they have been approved to receive financial aid. If the appeal is not accepted or the student failed to appeal, he/she may still enroll in classes in subsequent semesters at their own expense unless they are placed on SAP Suspension.

5.3.4. Additional SAP Information

Transfer Credits and SAP Evaluation

Transfer credits are not counted in the calculation of CGPA, but as credit hours attempted and credit hours earned toward successful course completion percentage and maximum time frame allowed.

Withdrawals and SAP Evaluation

Courses dropped during the "last day to drop courses with a W" dates will appear as a "W" (withdrawal) on student transcript. It will count towards attempted coursework credit however will not contribute towards GPA calculation.

Incomplete Grades and SAP Evaluation

An incomplete grade from a course does not affect the CGPA. This course is considered as an attempted course but not counted as earned credit in the calculation of course completion percentage for satisfactory academic progress.

If a student fails to meet SAP requirements because of receiving the grade of "I", he or she has to pay the cost of attendance until the incomplete grade is changed. The student is responsible for

notifying the Office of Financial Aid that the incomplete grade has been changed and requesting a re-evaluation of Title IV aid eligibility.

Repeated Course and SAP Evaluation

Each repeated course is counted toward attempted credit hours but counted only once as earned credit hours.

Non-punitive Grades and SAP Evaluation

Non-punitive grade from a course does not affect the CGPA. This course is counted as attempted credit hours and in the maximum time frame.

Non-credit Remedial Courses and SAP Evaluation

Non-credit remedial courses are counted as attempted credit hours and in the maximum time frame and not used for computing the CGPA.

Change of Program / Additional Credentials and SAP Evaluation

When a student changes his/her program of study at NAU, credits in previous program are counted in the calculation of the CGPA, credit hours attempted, credit hours earned toward successful course completion percentage and maximum time frame allowed in the new program.

For students seeking additional credentials, credits in both programs are counted in the calculation of the CGPA, credit hours attempted, credit hours earned toward successful course completion percentage and maximum time frame allowed.

Students who change majors or seek additional credentials may appeal for an extension of the maximum time frame provision of this policy.

6. DEGREE PROGRAMS

North American University offers three bachelors and four master degree programs:

1. Bachelor of Science in Business Administration
2. Bachelor of Science in Computer Science
3. Bachelor of Science in Interdisciplinary Studies in Education
4. Master of Education in Educational Leadership
5. Master of Education in Curriculum and Instruction
6. Master of Science in Computer Science
7. Master of Business Administration

Students seeking a Bachelor of Science degree are required to complete 120 semester credit hours including 36 credits of general education courses. For all master programs, students are required to complete 36-semester credit hours of the graduate course work.

6.1. General Education Program

Students seeking an undergraduate degree are required to complete 36 semester credit hours of general education courses. The General Education Program provides students with a high-quality education enabling them to acquire, analyze, interpret, and synthesize information and knowledge; to communicate effectively in writing and speech; to reason critically, symbolically, quantitatively and scientifically; to recognize ethical issues; to appreciate diversity; to utilize information technology effectively; and to develop artistic skills.

Learning Outcomes:
1. Demonstrate effective communication skills.
2. Apply basic algebraic concepts including equations and functions
3. Demonstrate the knowledge of fundamental concepts, methods, and applications of Life and Physical Sciences and their impact on society.
4. Develop personal responsibility and an understanding of arts and/or literature
5. Demonstrate knowledge of narrative history of US and/or western civilizations.
6. Interpret social values and human behavior

General Education Courses (36 credit hours)

Communications (6 hours)
- ENGL 1311   Composition and Rhetoric I
- ENGL 1312   Composition and Rhetoric II

Mathematics (3 hours)
One of the following:
- MATH 1311   College Algebra
- MATH 1313   Pre-calculus
- MATH 2314   Calculus I

Life and Physical Sciences (3 hours)
One of the following:
- GEOL 1311   Earth Science
- PHYS 1311   Introductory Physics
- CHEM 1311   Introduction to Modern Chemistry
- BIOL 1311   Introductory Biology
- BIOL 1312   Nutrition

Language, Philosophy and Arts (6 hours)
Two of the following:
- PHIL 1311   Introduction to Logic and Critical Thinking
- PHIL 1312   Professional Ethics
- ARTS 1311   Art Appreciation
- PHIL   1313   Introduction to Philosophy
- ENGL 2314   Introduction to Literature
- ENGL 2315   Survey of British Literature I
- ENGL 2316   Survey of American Literature
- ENGL 2319   Survey of World Literature
- ENGL 3317   Survey of British Literature II

History (6 hours)
Two of the following:
- HIST 1311   U.S. History I
- HIST 1312   U.S. History II
- HIST 2313   Western Civilization
- HIST 2314   History of Texas

Government, Social and Behavioral Science (9 hours)
Three of the following:

- ECON 2311   Principles of Macroeconomics
- ECON 2312   Principles of Microeconomics
- GOVT 2311   U.S. Government I
- GOVT 2312   U.S. Government II
- POLI 2311   International Relations
- PSYC 2311   General Psychology
- SOCI 2311   Introduction to Sociology

Component Area Option (3 hours)
One of the following:
- FRSH 1311 Freshman Seminar (required for freshmen)
- COMM 1311 Fundamentals of Communication
- SPAN 1311 Elementary Spanish
- SUST 2311 Sustainability: Principles and Practice

6.2. Undergraduate Programs

North American University offers three bachelor degrees
1. Bachelor of Science in Business Administration
2. Bachelor of Science in Computer Science
3. Bachelor of Science in Interdisciplinary Studies in Education

6.2.1. Business Administration

Business Administration department provides students with a high-quality education and prepares them to become proficient and responsible managers that today's business environment needs the most. NAU graduates are acquainted with information related to the legal framework of the business world and are well prepared for a changing business environment with a global perspective.

6.2.1.1. Objectives

The objectives of B.S. in Business Administration program are:
   i. Prepare students with the necessary knowledge and skills for a changing business environment and for contemporary business information systems.
   ii. Provide students with analytical thinking skills and knowledge pertaining to the global business environment.
   iii. Provide students with opportunities to apply their knowledge and skills in real life business cases.
   iv. Equip students with good oral and written communication skills that enable them to express themselves and present their materials well.
   v. Provide students with an awareness of the legal framework and ethical principles of business.

6.2.1.2. Degree Requirements

For a B.S. degree in Business Administration, students must complete 120 semester credit hours: 36 credits of general education, 54 credits of core courses, and 30 credits of electives, 12 of which must be departmental elective courses.

All business majors are required to demonstrate their knowledge regarding the competency of the computer literacy within the first academic year. This requires a student to complete COMP 1314 Computer Literacy and Applications OR pass the proficiency exam for COMP 1314.

The Business Administration program focuses on four areas of business specialization, including accounting, finance, management, and international business.

Specified General Education Requirements

ECON 2311   Principles of Macroeconomics

Core Courses (54 hours)

ACCT 2311	Fundamental of Financial Accounting
ACCT 2312	Fundamentals of Managerial Accounting
BUSI 2311	Business Statistics
BUSI 2312	Mathematical Applications in Business
BUSI 3313	Business Information Management
BUSI 3314	Business Ethics
BUSI 3315	Business Law
BUSI 4316	International Business
BUSI 4317	Business Policy and Strategy
COMM 1312	Business and Professional Speaking
ECON 2312	Principles of Microeconomics
ENGL 3318	Technical & Professional Writing
FINA 1311	Personal Finance
FINA 3312	Business Finance
MNGT 2311	Management and Organizational Behavior
MNGT 3312	Operations Management
MNGT 4315	Leadership in Organizations
MRKT 2311	Principles of Marketing

Each student has an opportunity to specialize in an area of concentration. A student who wants to specialize in a concentration needs to select four courses from the corresponding concentration area courses.

Accounting Concentration

ACCT 3314   Cost Accounting
ACCT 3315   Intermediate Accounting I*
ACCT 3316   Intermediate Accounting II*
ACCT 4317   Governmental Accounting
ACCT 4318   Auditing
ACCT 4319   Taxation
FINA 4320   Financial Statement Analysis
Courses required for Accounting concentration

Finance Concentration

FINA 3313   Financial Markets and Institutions
FINA 4314   Investments
FINA 4315   Financial Analysis and Valuation
FINA 4316   International Finance
FINA 4317   Risk Management
FINA 4319   Financial Management
FINA 4320   Financial Statement Analysis

International Business Concentration

BUSI 4318   Special Topics in International Business
ECON 3313   Global Economics
FINA 4316   International Finance
MNGT 4317   International Management
MRKT 4312   International Marketing

Management Concentration

MNGT 4313   Management Science
MNGT 4314   Small Business Management
MNGT 4316   Human Resource Management
MNGT 4317   International Management
MNGT 4318   Project Management

Electives

BUSI 4399 Internship

MINOR DEGREE REQUIREMENTS

A Minor in Business Administration can be earned in conjunction with any major at NAU. Students should complete at least the following courses for the minor in Business Administration.

Course Requirements

The following courses are required:

      ACCT 2311   Fundamentals of Financial Accounting
      FINA 3312   Business Finance
      MNGT 2311   Management and Organizational Behavior
      MRKT 2311   Principles of Marketing

One course from the following needs to be taken by the student:

      BUSI 3313 Business Information Management
      BUSI 3314 Business Ethics
      BUSI 3315 Business Law
      BUSI 4316 International Business

And, one upper-division (3XXX or 4XXX) course in accounting, economics, finance, management or marketing needs to be completed.

6.2.2.   Computer Science

Computer Science Department provides students with a high-quality education, which prepare them for long and successful careers in industry, academia and/or government. NAU graduates will gain skills to solve modern society's many complex technological problems and acquire life-long learning skills to help them adapt to changing computing technologies and work environments. Graduates will also develop strong oral and written communication skills, and a clear understanding of ethical issues related to the computing profession.

6.2.2.1.   Objectives

The objectives of B.S. in Computer Science program are:

   i. Provide students with contemporary knowledge of applied and theoretical areas of computer science
  ii. Provide students with opportunities to apply their knowledge and skills for solving real-life problems
 iii. Prepare students to work collaboratively and communicate effectively in their professional work environment
  iv. Increase awareness of ethical issues and the global impacts of computing technologies on society

6.2.2.2. Degree Requirements

For a B.S. degree in Computer Science, students must complete 120 semester credit hours: 36 credits of general education, 54 credits of core courses, and 30 credits of electives 12 of which must be departmental elective courses.

All computer science majors are required to demonstrate their knowledge regarding the competency of the computer literacy within the first academic year. This requires a student to complete COMP 1314 Computer Literacy and Applications OR pass the proficiency exam for COMP 1314.

Specified General Education Requirement

MATH 1313 Pre-Calculus

Core Courses (54 Credits)

COMP 1411	Introduction to CS I
COMP 1412	Introduction to CS II
COMP 2313	Data Structures
COMP 2415	Systems Programming
COMP 2316	Computer Organization
COMP 3317	Algorithms
COMP 3318	Operating Systems
COMP 3320	Programming Languages
COMP 3321	Database Systems
COMP 3322	Software Engineering
COMP 3324	Computer Networks
COMP 3325	Computer & Network Security
COMP 3326	Web Application Development
COMP 4393	Senior Design Project
MATH 1312	Statistics
MATH 2314	Calculus I
MATH 2317	Discrete Mathematics

The program offers two areas of concentrations; software engineering and computer networking. The additional coursework required for each concentration area is outlined as follows:

Software Engineering Concentration (12 Credits)

COMP 4339	Software Analysis and Design
COMP 4342	Advanced Web Application Development
COMP 4353	Data Mining
COMP 4356	Software Project Management

Computer Networking Concentration (12 Credits)

  COMP 4331 Cloud Computing
  COMP 4351 Network Administration
  COMP 4352 Internetworking Technology
  COMP 4358 Wireless Networking

Electives

  COMP 4398 Internship
  COMP 4399 Special Topics

MINOR DEGREE REQUIREMENTS

A Minor in Computer Science can be earned in conjunction with any major at NAU. Students should complete at least the following courses for the minor in Computer Science.

Course Requirements

The following courses are required:

  COMP 1411 Introduction CS I

  COMP 1412 Introduction to CS II

  COMP 2313 Data Structures

And, three upper-division (3XXX or 4XXX) courses in computer science needs to be completed.

6.2.3. Interdisciplinary Studies in Education

The Department of Education provides students with a high-quality education that enables them to prepare curricula, design and deliver instruction with state-of-the-art instructional technology, communicate with parents and students, and effectively manage classrooms based on knowledge of human development, learning environments, and cognitive and behavioral models. NAU graduates will also develop appropriate content knowledge and skills with an ability to recognize ethical issues in their professions.

6.2.3.1. Objectives

Students will be able to:

 i. Compare/contrast and apply human development and learning theories

 ii. a. Design curriculum and instructional materials, and

   b. Implement them in their profession

 iii. Integrate relevant technologies into education

iv. Create positive learning environment by demonstrating professional classroom management and communication skills

v. Recognize responsibilities and ethical issues related to their profession

vi. Develop content knowledge in their concentration

vii. Improve pedagogical content knowledge in their concentration

6.2.3.2. Degree Requirements

For a B.S. degree in Interdisciplinary Studies in Education, students are required to complete 120 semester credit hours: 36 credits in general education, 36 credits in education core courses, and 48 credits in concentration and elective courses.

Interdisciplinary Studies in Education program focuses on two areas of specialization: Mathematics and English Language Arts.

Program Core Courses (36 credits)
      EDUC 2311 Introduction to Teaching Profession
      EDUC 2312 Learning Theories and Development
      EDUC 3314 Classroom Management
      EDUC 3315 Curriculum and Instructional Design
      EDUC 3316 Integrating Technology into the Curriculum
      EDUC 3317 Education in Culturally Diverse Environments
      EDUC 4318 Education of the Exceptional Children
      EDUC 4320 Issues in Secondary Schools - Reform, Law and Ethics
      EDUC 4321 Measurement and Assessment in Education
      EDUC 4323 Reading in Content Areas
      EDUC 4699 Student Teaching

Each student has an opportunity to specialize in an area of concentration. The additional coursework required for each concentration area is outlined as follows as well as courses for teacher certification:

Mathematics Concentration (39 credits)
      MATH 1313 Pre-Calculus
      MATH 2314 Calculus I
      MATH 2315 Calculus II
      MATH 2316 Linear Algebra
      MATH 2317 Discrete Mathematics
      MATH 2325 History of Mathematics
      MATH 3318 Geometry and Trigonometry in Math Education

MATH 3319 Statistics and Probability
MATH 3320 Differential Equation
MATH 3326 Introduction to Number Theory
MATH 3327 Integrating Technology in Math Education
MATH 4322 Teaching Problem Solving in Math
MATH 4324 Teaching Secondary School Math

English Language Arts Concentration (33 Credits)
ENGL 2313 Introduction to Writing
ENGL 2314 Introduction to Literature
ENGL 2315 Survey of British Literature I
ENGL 2316 Survey of American Literature
ENGL 2319 Survey of World Literature
ENGL 3317 Survey of British Literature II
ENGL 3320 Issues in Composition at Secondary Schools
ENGL 3321 Professional Report Writing
ENGL 3322 Studies in Linguistics and History of the English Language
ENGL 3323 Teaching Grammar, Composition, Spelling, and Listening
ENGL 4324 Reading and Writing in the Secondary Schools

Physical Science and Social Studies concentrations are no longer available for new students. Current students enrolled in this concentration will continue taking their courses following the academic catalog.

MINOR DEGREE REQUIREMENTS
A Minor can be earned in conjunction with any major in the North American University. Students should complete at least the following courses for the minor in Education.

Minor in Math Education Requirements
Three courses from the following:
MATH 2314 Calculus I
MATH 2315 Calculus II
MATH 2316 Linear Algebra
MATH 2317 Discrete Mathematics
MATH 2325 History of Mathematics

One course from the following:
MATH 3327 Integrating Technology into Math Education
MATH 4322 Teaching Problem Solving in Math
MATH 4324 Teaching Secondary School Math

And, two upper-division (3XXX or 4XXX) courses in MATH need to be completed.

Minor in English Language Arts and Reading Education Requirements

Two courses from the following:

ENGL 3317 Survey of British Literature II
ENGL 3321 Professional Report Writing
ENGL 3322 Studies in Linguistics and History of the English Language

One course from the following:

ENGL 3320 Issues in Composition Secondary Schools
ENGL 3323 Teaching Grammar, Composition, Spelling, and Listening
ENGL 4324 Reading and Writing in the Secondary Schools

And, three upper-division (3XXX or 4XXX) courses in English Language Arts concentration need to be completed.

6.2.3.3.   Teacher Certification Program (TCP)

NAU-TCP offers teacher certification in the following areas:
- Mathematics Teaching (7-12)
- Physical Science (7-12)
- Social studies (7-12)
- English Language Arts and Reading (7-12)

There are several steps required to become certified teacher in Texas. The following steps explain the details about the process:

1. Apply to the Teacher Certification Program at NAU (See the admission requirements below)
2. Indicate a fitness for the education profession
3. Successfully complete Field-based observation in the first semester you registered in certification program (minimum of 30 hours)
4. Successfully complete coursework, both in your academic content area and in pedagogy
5. Successfully complete student teaching (14 weeks), full-time unpaid student teaching
6. Pass your TExES exams, both in your academic content area and your Pedagogy and Professional Responsibilities (PPR)
7. Apply for your teaching certification through the Texas Education Agency (TEA).

Admission requirements
- Completion of *NAU-TCP Application Form*
- *Junior Standing*: Students must have 60 hours completed
- *Minimum Grade Point Average (GPA):* The candidate must meet one of the following criteria in order to be eligible to enter the educator preparation program:
  - an overall GPA of at least 2.75 or higher (Overall, transfer and English core classes); or

- o at least 2.75 in the last 60 semester credit hours; or
  - o demonstration of achievement equivalent to the academic achievement represented by GPA through the applicant's work, business, or career experience as evidenced by the applicant's portfolio. Demonstration by portfolio will be granted by the program director only in extraordinary circumstances and will not be used to admit more than 10% of any cohort of candidates.
- *College level Competency:* The applicants may use any one of the options below for meeting this requirement:
  - o Texas Higher Education Assessment (THEA): Minimum scores: Reading 230; Math 230; Writing 220 with no time limit.
  - o Accuplacer (Administered by College Board): Minimum scores: Reading 78; Algebra 63;
  - o Sentence Structure 80; Writing 6.
  - o SAT: Minimum scores: Verbal 500; Math 500.
  - o ACT: Minimum scores: Composite – 19.
- *College-level skills: All applicants will be required to demonstrate competency in basic skills in reading, oral and written communication, critical thinking, and mathematics.*
  - o Reading: Grade of "C" or better in ENGL 1301 – Composition and Rhetoric I or its equivalent
  - o Oral Communication: Grade of "C" or better in COMM 1311 – Fundamentals of Communications or its equivalent
  - o Written Communication: Grades of "C" or better in ENGL 1301 - Composition and Rhetoric I
  - o and ENGL 1302 - Composition and Rhetoric II or their equivalents
  - o Critical Thinking: Grade of "C" or better in PHIL 1301 – Introduction to Logic and Critical
  - o Thinking or its equivalent
  - o Mathematics: Grade of "C" or better in MATH 1311 –College Algebra or its equivalent
- *A minimum of 15 semester credit hours* in the subject-specific content area for certification sought
- *An interview* to determine the educator preparation candidate's appropriateness for the certification sought.
- *Official degree plan:* Candidate must have an official degree plan on file.
- *English Language Proficiency***:** Proof of English language proficiency must be provided to the NAU-TCP office before an applicant will be considered for admission to the program. English proficiency can be demonstrated in any one of the following ways:
  - o completion of an undergraduate or graduate degree at an institution of higher education in the United States;
  - o if an undergraduate or graduate degree was earned at an institution of higher education outside of the United States, evidence must be provided under procedures approved by the executive director that the primary language of instruction was English;
  - o verification of three creditable years of teaching experience in an educational setting within the United States or, if the experience was earned in an educational

setting outside of the United States, evidence under procedures approved by the executive director that the primary language of instruction was English;

- o Minimum score of 55 on the Test of Spoken English (TSE) or a minimum score of 575 on the paper version of the Test of English as a Foreign Language (TOEFL); or a minimum score of 231 on the computer-based version of the TOEFL or 90 on the Internet-based TOEFL.
- o If a candidate presents a transcript from an out of country institution of higher education, the transcript must be evaluated by one of the approved evaluation entities and reflect a degree comparable the ones issued in the United States.

- *Other Requirements at the time of application to TEA*: Candidates applying for a Texas educator certificate must:
  - o be at least 18 years of age;
  - o not be disqualified or the subject of a pending proceeding under Chapter 249 of Title 19 of Texas Administrative Code.
  - o not be disqualified by federal law;
  - o be willing to support and defend the constitutions of the United States and Texas;
  - o pass a criminal background check

NAU-TCP accepts international students to its program with the conditions fulfilled above and under TAC 227.10 (e) and TAC 245.

6.3. Graduate Programs

North American University offers four master's degrees
1. Master of Business Administration
2. Master of Science in Computer Science
3. Master of Education in Curriculum and Instruction
4. Master of Education in Educational Leadership

All students seeking a master's degree are required to complete 36 credit hours of graduate courses at NAU. M.Ed. in Educational Leadership program requires 3-semester credit hours of 160-clock hours internship. M.Ed. in Curriculum and Instruction, Master of Business Administration and M.S. in Computer Science programs also include 3-semester credit hours of 135-clock hours internship, but it is an elective course for students.

DELIVERY METHODS FOR ONLINE COURSES
Online courses for graduate programs are delivered entirely using distance education tools through NAUmoodle course management system at http://www.na.edu/online. To access online courses, students will need internet and a supported Web browser (Internet Explorer, Firefox, Safari or Chrome).

Students are required to login to this system by using their computer accounts provided by the IT department. Course materials including text and multimedia presentations, homework

assignments, projects, and other assessment tools are delivered via this system. NAUmoodle are also used for communication purposes such as online forums facilitating class discussions. Asynchronous electronic communication such as email are used for correspondence between students and instructors. Additionally, webinar and online meeting tools may be used for holding online lectures and demonstrations. In online courses, students are expected to follow Netiquette rules (http://www.networketiquette.net/) as student-instructor, student-content, and student-student interactions take place entirely online.

For login issues and account problems, please contact the IT department via one of the following methods:

      1- Visit Room 733

      2- Call 832- 230-5541

      3- Email support@na.edu to submit a trouble ticket

To get assistance with NAUmoodle technical issues, other than login problems, email moodle@na.edu.

6.3.1. Master of Business Administration

North American University offers Master of Business Administration degree program with two concentrations: Business Analytics and Leadership and Change Management.

6.3.1.1. Program Objectives

The objectives of the Master of Business Administration program are centered on the areas of core business knowledge, analytical skills and interpersonal skills. The program objectives include:

1. Provide students with information, tools and models that will enable them to identify, analyze and solve real-world business problems.

2. Develop and enrich students' oral and written communication skills necessary in professional business environments.

3. Enhance students' appreciation of challenges facing businesses and the importance of ethical principles.

4. Provide students with the analytical and managerial skills required to analyze data to address business problems, manage risk, and also to identify and create new business opportunities (Business Analytics Concentration).

5. Provide students with the knowledge and skills related to leadership, creating a vision, developing innovative solutions and implementing change in organizations (Leadership and Change Management Concentration).

6.3.1.2. Student Learning Outcomes

Students who successfully complete the Master of Business Administration program will be able to demonstrate the skills mentioned in the following areas:

1. Acquire integrative knowledge across business disciplines, specifically in core areas of accounting, finance, marketing, management and economics, and apply knowledge to real-world business situations.

2. Demonstrate the ability to employ analytical models and critical thinking to identify, evaluate, generate and select and prioritize appropriate alternatives to solve business problems.

3. Demonstrate effective business communication skills through preparing written reports and professional correspondence and develop oral presentation skills.

4. Utilize Concentration Specific knowledge / skills in business problem solving.

6.3.1.3. Degree Requirements

For a Master's degree in Business Administration, students are required to complete 36 semester credit hours: 21 credits of core courses, 12 credits of concentration elective courses and 3 credits of elective course.

Core Course Requirements

MBA 5311	Managerial Economics
MBA 5312	Managerial Accounting and Budgeting
MBA 5313	Quantitative Methods
MBA 5314	Marketing Management
MBA 5316	Management and Organizational Theory
MBA 5317	Business Policy and Strategy
MBA 5319	Financial Management

Concentration Requirements
Student should select one of the following concentrations.

(1) Business Analytics Concentration: Student should pick 4 courses from the following:

MBA 5351	Economic Strategy and Forecasting
MBA 5352	Managerial Decision Models and Simulation
MBA 5353	Data Mining
MBA 5354	Business Intelligence
MBA 5355	Data Analysis for Decision Making
MBA 5356	Social Media Analytics

(2) Leadership and Change Management Concentration: Student should pick 4 courses from the following:

MBA 5315	Leadership in Organizations
MBA 5318	Project Management
MBA 5331	Leading Organizational Change
MBA 5332	Creativity, Innovation and Design
MBA 5333	Conflict and Negotiation

Elective Requirements

Student should select 1 (one) graduate level course from his/her concentration or a course from the other concentration offered by Business Administration department or any graduate level course from other departments.

6.3.1.4. Transfer Policy

Incoming students may transfer up to 18 credits towards the MBA degree. Graduate level coursework with a grade of "B-" or above is accepted for transfer credit. All transferable courses must be transferred before the student enrolls in NAU upon approval by the Graduate Advisor.

Credits received for a graduate-level course or a 4000-level undergraduate course taken as an undergraduate may be transferred into an academic program provided that the course did not count toward the requirements of the undergraduate degree.

MBA Challenge Exams allow students to earn credits for courses by demonstrating they have previously gained the necessary knowledge to complete the courses. These exams may include any or all of the following: a comprehensive exam, project, or research paper. Challenge Exams are administered by the Business Administration Department. Credits earned by challenge exams are applied as transfer credits.

6.3.2. Master of Science in Computer Science

The mission of the Department of Computer Science is to achieve national prominence by providing outstanding education to our graduate students for their productive careers in industry, academia, and government.

The department strives for excellence in teaching and service, covering the fundamental as well as applied aspects of computer science. NAU helps students develop the skills to solve the technological problems of modern society through collaborative and multidisciplinary activities.

6.3.2.1. Student Learning Outcomes

Master of Science in Computer Science students following graduation will be able to:

1. Demonstrate advanced skills of computing theory and algorithms (Core).

2. Develop sophisticated knowledge of operating systems and hardware (Core).

3. Apply advanced practices of software design and development cycle (Software Engineering).

4. Analyze data using advanced computing tools (Data analytics).

5. Develop state-of-the-art skills of computer networks (Networking).

6. Engage and apply secure practices in various digital environments (Cyber Security).

6.3.2.2. Degree Requirements

For a M.S. degree in Computer Science, students are required to complete 36-semester credit hours: 15 credits of core courses, 12 credits of concentration electives, and 9 credits of elective courses selected from two separate groups of courses.

The Master of Science in Computer Science program focuses on four areas of concentrations, including software engineering, data analytics, networking, and cyber security.

Students who do not have a background in computer science are required to take a short series of courses to provide the necessary background knowledge for graduate study in computer science. These courses are required for leveling only; they cannot be counted in satisfying the required hours for graduation. Successful completion in these courses means a grade of C or better in each leveling course. Student needs to finish leveling courses to change conditionally accepted status to fully accepted status.

Leveling Courses:
      COMP 1412   Introduction to CS II
      COMP 2313   Data Structures
      COMP 3324   Computer Networks
      COMP 3325   Computer & Network Security*
      COMP 3322   Software Engineering**
      * Required only for Cyber Security and Networking concentrations
      ** Required only for Software Engineering and Data Analytics concentrations

Core Courses (15 credits)
      COMP 5327   Advanced Algorithms
      COMP 5328   Computer Architecture
      COMP 5329   Advanced Operating Systems
      COMP 5332   Theory of Computation
      COMP 5393   Capstone Project

Networking Concentration Courses (12 Credits)

    COMP 5352   Internetworking Technology

    COMP 5351   Network Administration

    COMP 5358   Wireless Networking

    COMP 5331   Cloud Computing

Cyber Security Concentration Courses (12 Credits)

    COMP 5334   Advanced Network and Computer Security

    COMP 5333   Cyber Crime Investigation

    COMP 5335   Web, Cloud, and Mobile Security

    COMP 5336   Computer Forensics

Software Engineering Concentration Courses (12 Credits)

    COMP 5339   Software Analysis and Design

    COMP 5356   Software Project Management

    COMP 5342   Advanced Web Application Development

    COMP 5353   Data Mining

Data Analytics Concentration Courses (12 Credits)

    COMP 5354   Business Intelligence

    COMP 5337   Machine Learning

    COMP 5355   Data Analysis for Decision Making

    COMP 5353   Data Mining

Elective Courses (9 credits)

Elective I (One course from the following)

    EDUC 5313   Statistical Procedures and Measurement in Education

    MBA 5313   Quantitative Methods

    COMP 5398   Internship

    COMP 5399   Special Topics

Elective II and III (Two courses from the following)

    Any Computer science concentration course other than the student's concentration

    CUIN 5331   Web Design and Web 2.0 Applications

    CUIN 5332   Digital Graphics and Animation

    CUIN 5333   Educational Media and Video Applications

    CUIN 5334   Mobile application design and development

    CUIN 5335   Teaching Programming to Students

    MBA 5356   Social Media Analytics

6.3.2.3. Transfer Policy

Transferable coursework with grades of "B-" or above is accepted for transfer credit. North American University Computer Science Department allows for a maximum of 18 credit hours to be transferred from other institutions to the MS in Computer Science program. All transferable courses must be transferred before the student enrolls in NAU upon approval by the Graduate Advisor.

Credits received for a graduate-level course or a 4000-level undergraduate course taken as an undergraduate may be transferred into an academic program provided that the course did not count toward the requirements of the undergraduate degree.

Computer Science Challenge Exams allow students to earn credits for courses by demonstrating they have previously gained the necessary knowledge to complete the courses. These exams may include any or all of the following: a comprehensive exam, project, or research paper. Challenge Exams are administered by the Computer Science Department. Credits earned by challenge exams are applied as transfer credits.

6.3.3. Master of Education in Curriculum and Instruction (CUIN)

The Master of Education (M.Ed.) in Curriculum and Instruction provides students with a high-quality education that enables them to prepare curricula, design and deliver instruction with state-of-the-art instructional technology based on essential knowledge, established and current research findings, and sound professional practice.

The program has three concentrations: Mathematics Education, Science Education, and Educational Technology. The program requires 36 credits and includes an optional practicum for graduation.

6.3.3.1. Objectives

The objectives of Master of Education in Curriculum and Instruction are to:
1. Give students a sound foundational knowledge of human development, learning environments, and cognitive and behavioral models.
2. Equip students with skills to develop curricula and design/deliver superior instruction using technology.
3. Provide students with knowledge of current educational research and research methods to improve instruction
4. Help students develop pedagogical content and subject matter knowledge in STEM fields

5. Prepare students to design project-based learning experiences and develop a framework to thinking about the role of STEM subjects in all aspects of the society.

6.3.3.2. Student Learning Outcomes

1. Compare/contrast and apply human development and learning theories

2. Design and implement curriculum and instructional materials

3. Integrate relevant technologies into curriculum and instruction

4. Recognize and apply current educational research and methods to improve instruction

5. Develop pedagogical content and subject matter knowledge in their concentration

6.3.3.3. Degree Requirements

Students seeking a Master of Education (M.Ed.) in Curriculum and Instruction degree are required to complete 36 credit hours course work. Some students may want to perform practicum which awards three credits.

The program requires completion of core, concentration, and elective courses;

Core Courses (15 credits)

EDUC 5311	Human Growth and Development
EDUC 5312	Curriculum and Instructional Design
EDUC 5313	Statistical Procedures and Measurement
EDUC 5324	Integrating Technology into Education
EDUC 5325	Research Methods in Education

Math Education Concentration Courses (15 credits)

MATH 5311	Teaching Secondary School Math
MATH 5312	Geometry and Trigonometry for Teachers
MATH 5313	Advanced Calculus
MATH 5314	Teaching Problem Solving in Math and Science
MATH 5315	Innovative teaching methods in STEM education

Science Education Concentration Courses (15 credits)

CUIN 5321	Methods in Science Teaching
CUIN 5322	Teaching the Nature of Science
CUIN 5323	Teaching science lab
CUIN 5314	Teaching Problem Solving in Math and Science
CUIN 5315	Innovative teaching methods in STEM education

Educational Technology Education Concentration Courses (15 credits)

CUIN 5331   Web Design and Web 2.0 Applications
CUIN 5332   Digital Graphics and Animation
CUIN 5333   Educational Media and Video Applications
CUIN 5334   Mobile application design and development
CUIN 5335   Teaching Programming to Students

Elective Courses (6 credits)

Student should take two courses either from any concentration above or from the followings.

MATH 5316   Selected Topics in Mathematics Education
MATH 5317   Advanced Linear Algebra
MATH 5318   Probability and Statistics
MATH 5319   Ordinary Differential Equations
CUIN 5324   Selected Topics in Science Education
CUIN 5391   Practicum
EDUC 5314   School Leadership
EDUC 5315   Instructional Leadership
EDUC 5316   Human Resource Management
EDUC 5319   School Finance and Campus Business Management
EDUC 5320   Communication and Public Relations for School Administrators
EDUC 5326   Law and Policy for School Leaders

6.3.3.4.   Transfer Policy

Incoming students may transfer up to 18 credits towards the M.Ed. degree. Graduate level coursework with a grade of "B-" or above is accepted for transfer credit. All transferable courses must be transferred before the student enrolls in NAU upon approval by the Graduate Advisor.

6.3.4.   Master of Education in Educational Leadership

Students who wish to pursue graduate study directed toward developing leadership knowledge and skills may pursue a master's degree in educational leadership. The 36 credit hour Master of Education (M.Ed.) degree program in Educational Leadership is designed to meet the needs of students seeking to develop the knowledge, skills, and dispositions essential to becoming effective educational leaders.

The goal of the Masters of Education in Educational Leadership program is to prepare and educate exemplary practitioners; as school leaders who are capable of communicating and collaborating

with school community members; as ethical leaders by adhering to legal principles to enrich the school's climate, culture, and diverse learning infrastructure; as instructional leaders who promote the success of all students by designing curriculum, supervising the instruction, and facilitating the integration of technology; and as school leaders who possess administrative skills in managing personnel, finance, and facilities.

6.3.4.1. Objectives

The objectives of Master of Education in Educational Leadership are to;
1. Provide educators prospects and extending their knowledge and skills into leadership in curriculum, instruction and decision making as well as the management of resources.

2. Provide training for potential school administrators and supervisors that will emphasize the development of skillful professional performance.

3. Provide academic preparation for candidates who seek certification in school administration or supervision.

4. Provide educational leaders with skills in the use of technology to make and implement informed decisions.

5. Provide an opportunity for students to learn within the environment of an educational group that will inspire collegiality and professional collaboration.

6. Provide training to future leaders to inspire and become models for others exemplifying the best qualities of learning, ethical conduct, and commitment to educational development.

6.3.4.2. Student Learning Outcomes

Students who successfully complete the M.Ed. in Educational Leadership will be able to:
1. Demonstrate knowledge and skills in development and implementation of a shared vision of learning within the school community, and communication and collaboration with school community members (School Community Leadership).

2. Demonstrate the knowledge of ethical and legal principles in an institutional framework to enrich the school's climate, culture, and diverse learning infrastructure (Ethics and Legal Responsibilities).

3. Develop knowledge and skills in the design and implementation of curriculum and instructional strategies, supervise staff evaluation and professional development, and facilitate the use and integration of technology to enhance learning (Instructional Leadership).

4. Develop effective leadership skills in managing personnel, planning school finance, enabling campus physical plant and support systems (Administrative Leadership).

6.3.4.3.   Degree Requirements

Students seeking a Master of Education (M.Ed.) in Educational Leadership degree are required to complete 36 credit hours course work including 3-credit, 160-clock hour internship.

The program requires completion of core and concentration, courses:

Core Area Courses (15 credits)

EDUC 5311	Human Growth and Development
EDUC 5312	Curriculum and Instructional Design
EDUC 5313	Statistical Procedures and Measurement in Education
EDUC 5324	Integrating Technology into Education
EDUC 5325	Research Methods in Education

Concentration Courses (21 Credits)

EDUC 5314	School Leadership
EDUC 5315	Instructional Leadership
EDUC 5316	Human Resource Management
EDUC 5319	School Finance and Campus Business Management
EDUC 5320	Communication and Public Relations for School Administrators
EDUC 5322/5323	Internship in Educational Leadership
EDUC 5326	Law and Policy for School Leaders

6.3.4.4.   Transfer Policy

Incoming students may transfer up to 18 credits towards the M.Ed. degree in Educational Leadership. Graduate level coursework with a grade of "B-" or above is accepted for transfer credit. All transferable courses must be transferred before the student enrolls in NAU upon approval by the Graduate Advisor.

7. COURSE DESCRIPTIONS

ACCT 2311   Fundamentals of Financial Accounting
Cr. 3. (3-0). This course introduces students to the theory of accounting and financial reporting, and generally accepted accounting practices. The primary emphasis is on financial statements and accounting for assets, liabilities, equities, revenues and expenses.
Prerequisite: None

ACCT 2312   Fundamentals of Managerial Accounting
Cr. 3. (3-0). This course focuses on the development, interpretation and use of relevant cost behavior, control, and traceability concepts for management planning, controlling and decision making. Topics include product and direct costing, performance standards and variance analysis, accounting, profitability, and capital budgeting.
Prerequisite: ACCT 2311

ACCT 3314   Cost Accounting
Cr. 3. (3-0). This course examines the fundamentals of cost accounting within an organization. Topics covered in the course include standard costing, variance analysis, cost-volume-profit analysis, and budgeting.
Prerequisite: ACCT 2312

ACCT 3315   Intermediate Accounting I
Cr. 3. (3-0). This course focuses on accounting organizations, the conceptual framework of accounting, the accounting process, basic financial statements, and the time value of money. Issues discussed include the development of accounting standards, financial theory and practice in accounting for assets.
Prerequisite: ACCT 2311

ACCT 3316   Intermediate Accounting II
Cr. 3. (3-0). This course focuses on financial accounting issues including such essential topics as theory and practice in accounting for liabilities, shareholders' equity, earnings per share, and special disclosure topics, financial reporting.
Prerequisite: ACCT 3315

ACCT 4317   Governmental Accounting
Cr. 3. (3-0). This course provides a framework for understanding the special accounting and reporting requirements of government and nonprofit organizations. Topics include reporting concepts and budgeting principles for governmental and nonprofit economic entities.
Prerequisite: ACCT 2312

ACCT 4318   Auditing

Cr. 3. (3-0). This course covers the concepts, principles, and practical applications of auditing in business. It also stresses the concepts and practical applications that serve as a foundation for auditing skills.

Prerequisite: ACCT 3315 and ACCT 3316 or concurrent enrollment

ACCT 4319   Taxation

Cr. 3. (3-0). This course provides a framework for understanding the special accounting and reporting requirements for federal income taxation. Topics include reporting concepts and budgeting principles for taxation of economic entities.

Prerequisite: ACCT 2312

ARTS 1311   Art Appreciation

Cr. 3. (3-0). This course surveys the purposes and processes of arts from a variety of different backgrounds, as well as that of various cultures from the prehistoric to the 20th century. It also examines the visual elements and principles of design.

Prerequisite: None

BIOL 1311   Introductory Biology

Cr. 3. (3-0). This course introduces the principles and basic concepts of life science and biology. Lecture will cover the scientific method, chemical context of life, metabolism and energy transportation, cell structure and function, viruses, cellular energy, photosynthesis, control of cellular activity, cell reproduction, genetic basis of life and theories on the origin of life.

Prerequisite: None

BIOL 1312   Nutrition

Cr. 3. (3-0). Fundamental principles of normal nutrition and the importance of nutrition in promoting growth and health. Emphasis will be given to the basic food constituents and their physiological relationships within the body. Consideration will also be given to family and community needs. This course will not fulfill a laboratory science requirement.

Prerequisite: None

BUSI 2311   Business Statistics

Cr. 3. (3-0). This course focuses on statistical methods, their applications in business contexts and how to interpret analyses performed by others. Topics include data collection, frequency distributions, probability and probability distributions, sampling and sampling distributions, hypothesis testing, regression and correlation analysis.

Prerequisite: MATH 1311 or higher

BUSI 2312   Mathematical Applications in Business
Cr. 3. (3-0). This course overviews mathematical operations related to a variety of business disciplines. Students learn and apply the following skills: computation, fractions, decimals, percentages, bank transactions, trade/cash discounts, business statistics, payroll calculations, interest, notes and present value calculations.
Prerequisite: MATH 1311 or higher

BUSI 3313   Business Information Management
Cr. 3. (3-0). This interdisciplinary course focuses on computer-based information systems and explores the basic technical, behavioral, economic, and organizational concepts relevant to information, decision making, and systems in a business context.
Prerequisite: COMP 1314

BUSI 3314   Business Ethics
Cr. 3. (3-0). This course examines the role and importance of ethics in a complex business environment, as well as the relationships and social responsibilities of individuals, organizations and communities. Students will also discuss ethical philosophy and apply an ethical decision making process to practical ethical dilemmas confronting leaders and managers in the workplace.
Prerequisite: None

BUSI 3315   Business Law
Cr. 3. (3-0). This course provides an overview of the business law and legal environment. Topics for this course include the legal principles of business; dispute resolution and procedures; contract law; bankruptcy law; property law; internet law and e-commerce; security interests, negotiable instruments and sales.
Prerequisite: None

BUSI 4316   International Business
Cr. 3 (3-0). This course overviews financial, managerial, and marketing problems confronted by multinational firms. Worldwide patterns of trade and investments are also discussed.
Prerequisite: MNGT 2311, MRKT 2311, FINA 3312 or concurrent enrollment

BUSI 4317   Business Policy and Strategy
Cr. 3. (3-0). This course focuses on application of acquired knowledge and skills to real world business problems. Students utilize problem solving principles and techniques to evaluate case studies in a variety of business disciplines.
Prerequisite: MNGT 2311, MRKT 2311, ACCT 2312, FINA 3312 or concurrent enrollment, BUSI 3314 or concurrent enrollment

BUSI 4318   Special Topics in International Business
Cr. 3. (3-0). This course focuses on current topics of concern in international business. Selected issues in the contemporary international business theory and practice are discussed and analyzed. Prerequisite: BUSI 4316 or approval of instructor and department chair

BUSI 4399   Internship
Cr. 3. This course is designed to supplement coursework in Business Administration. It helps students apply their knowledge into real-world problems in professional settings. Students recognize the need for continuous learning and experience the challenges of workplace environment.
Prerequisite: Junior or senior students only, and instructor approval

COMM 1311 Fundamentals of Communication
Cr. 3. (3-0). This course introduces students to the theory and practice of interpersonal, small group, and public communication.
Prerequisite: None

COMM 1312 Business and Professional Speaking
Cr. 3. (3-0). This course develops students' critical thinking, analytical and oral communication skills. It focuses on the effective organization and delivery of presentations and the construction of creative arguments in a business context.
Prerequisite: None

COMP 1314   Computer Literacy and Applications
Cr. 3. (3-0). This course examines the role of computers in today's society, including the knowledge and ability to efficiently utilize computers, related technology and basic application software with an emphasis on basic operating system knowledge, office applications, and the use of the Internet. Applications include word processing, spreadsheets and presentation software.
Prerequisite: None

COMP 1411   Introduction to CS I
Cr. 4. (3-2). This course introduces fundamental concepts of structured procedural programming, data types, control structures, algorithm development; program design and implementation using C programming language; and software development tools. It includes a lab component.
Prerequisite: None

COMP 1412   Introduction to CS II
Cr. 4. (3-2). This course reviews structured programming and data types. It then introduces the object-oriented programming paradigm using JAVA programming language, focusing on the definition and use of classes, along with the fundamentals of object-oriented design. It includes a lab component. Prerequisite: COMP 1411

COMP 2313   Data Structures
Cr. 3. (3-0). This course introduces the fundamental concepts of data structures and algorithms. Topics include fundamental data structures (including stacks, queues, linked lists, hash tables, trees, and graphs), sorting, searching, and recursion.
Prerequisite: COMP 1412

COMP 2415   Systems Programming
Cr. 4. (3-2). This course examines interaction with a multi-user, multi-tasking operating system (e.g. Unix, Linux) via systems programs. Topics include the details of the file system and I/O, multi-tasking, inter-process communication, process control and shell scripting. It includes a lab component.
Prerequisite: COMP 1411

COMP 2316   Computer Organization
Cr. 3. (3-0). This course covers basic computer organization including the CPU, memory and peripherals; digital representation of data and instructions; and assembly language programming, assembler, loader, macros, subroutines, and program linkages.
Prerequisite: COMP 1411

COMP 3317   Algorithms
Cr. 3. (3-0). This course focuses on the design and analysis of algorithm; heuristics; advanced tree structures; advanced hashing techniques; advanced sorting and searching; graphs and sets; NP-Completeness; and time and space complexities.
Prerequisite: COMP 2313, MATH 1312, and MATH 2317

COMP 3318   Operating Systems
Cr. 3. (3-0). This course focuses on operating system structure and design techniques; process management, CPU and disk scheduling; process synchronization, concurrency, and memory and file management, device management, virtual memory; mass storage and I/O systems; and OS security.
Prerequisite: COMP 1314, COMP 2316

COMP 3320   Programming Languages
Cr. 3. (3-0). This course is designed to supplement coursework in Computer Science. It helps students apply their knowledge into real-world problems in professional settings. Students recognize the need for continuous learning and experience the challenges of workplace environment.
Prerequisite: COMP 2313

COMP 3321   Database Systems
Cr. 3. (3-0). This course teaches the fundamentals of database systems, including relational and other data models, database design, data description and query languages, file organization, index structures, database integrity and security, access control, interfacing with database systems, transaction programming, and design and implementation of database applications.
Prerequisite: None

COMP 3322   Software Engineering
Cr. 3. (3-0). This course introduces basic concepts of software engineering, including software requirement analysis, design representation, programming methodologies, verification, validation, maintenance and software planning.
Prerequisite: COMP 1412

COMP 3324   Computer Networks
Cr. 3. (3-0). This course introduces the fundamental concepts and principles of modern computer networks with an emphasis on protocols, architectures, and implementation issues of application, transport, network, data link and physical layers.
Prerequisite: None

COMP 3325   Computer & Network Security
Cr. 3. (3-0). This course teaches the fundamentals of computer and network security, including cryptography, authentication, and authorization; attack types, detection and defense techniques at the OS and network level; security in modern operating systems and virtual machines.
Prerequisite: COMP 3324

COMP 3326   Web Application Development
Cr. 3. (3-0). This course covers the fundamentals of Web Application development: markup languages, layout design, client and server side programming using HTML, XHTML, XML, Ajax, JavaScript, DHTML; database and Web integration.
Prerequisite: COMP 1412 and COMP 3322

COMP 4331   Cloud Computing
Cr. 3. (3-0). This course is a tour through various topics and technologies related to Cloud Computing. Topics include distributed system models and enabling technologies, computer clusters for scalable Computing, virtual machines and virtualization of clusters and datacenters, design of cloud computing platforms, cloud programming and software environments, grid computing and resource management, P2P computing with overlay networks, ubiquitous computing with clouds and the Internet of things, and data-intensive distributed computing.
Prerequisite: COMP 3324

COMP 4351   Network Administration
Cr. 3. (3-0). This course focuses on the administration of networked operating systems such as Windows Server and Linux. It includes, monitoring, managing and troubleshooting of network resources such as files, folder access, printing devices, device drivers, backup devices, recovery as well as protocols and system services.
Prerequisite: COMP 3324

COMP 4352   Internetworking Technology
Cr. 3. (3-0). This course shows students how to plan and design a network using various internetworking technologies to meet performance, security, capacity, and scalability requirements. This includes the fundamental, technical, and design issues associated with campus LANs.
Prerequisite: COMP 3324

COMP 4353   Data Mining
Cr. 3. (3-0). This course introduces fundamental topics of data mining and knowledge discovery, including statistical foundations, database support, data preprocessing, data warehousing, association discovery, classification, clustering, and mining complex data types.
Prerequisite: COMP 3321

COMP 4356   Software Project Management
Cr. 3. (3-0). This course focuses on first-line management of software system development. It covers major themes, including estimation (software cost factors, estimation models, and risk management), planning (work breakdown, scheduling, staffing, resource allocation, and creation of a project plan), and execution (team building, leadership, motivation, process tracking, control recovery, and communication within and outside the project).
Prerequisite: COMP 3322

COMP 4339   Software Analysis and Design
Cr. 3. (3-0). This course introduces established and evolving methodologies for the analysis, design, and development of an information system. Emphasis is placed on system characteristics, managing projects, prototyping, CASE/OOM tools, and systems development life cycle phases. Upon completion, students should be able to analyze a problem and design an appropriate solution using a combination of tools and techniques.
Prerequisite: COMP 3322

COMP 4342   Advanced Web Application Development
Cr. 3. (3-0). This course emphasizes server-side development of enterprise applications. Topics include web servers, distributed network-based computing, handling client requests, server-side services, transmitting data using HTTP, database connectivity, security, and e-commerce.

Programming languages and tools will be among the most significant such as Java, servlets, JavaServer Pages, Active Server Pages, .NET, XML, among others.
Prerequisite: COMP 3326

COMP 4358   Wireless Networking

Cr. 3. (3-0). This course will examine the area of wireless networking, looking at the unique network protocol challenges and opportunities presented by wireless communication and host or router mobility. Although it will touch on some of the important physical layer properties of wireless communications, focus will be on network protocols above the physical layer, with an emphasis on the media access control, network, and transport protocol layers.
Prerequisite: COMP 3324

COMP 4393   Senior Design Project

Cr. 3. (3-0). This is a capstone course intended to facilitate the integration and application of knowledge and skills gained in various courses within the computer science curriculum. The project involves teamwork; modeling of real world problems; design, development and testing of a software-based solution; and its documentation.
Prerequisite: Consent of the Instructor, MATH 2314

COMP 4398   Internship

Cr. 3. This course is designed to supplement coursework in Computer Science. It helps students apply their knowledge into real-world problems in professional settings. Students recognize the need for continuous learning and experience the challenges of workplace environment.
Prerequisite: Junior or senior students only, and instructor approval.

COMP 4399   Special Topics

Cr. 3. (3-0). Special topics courses with different titles offered occasionally to cover emerging issues or specialized, in depth content not available in the core curriculum. A specific title may be used for each course, which will appear on the student's transcript. Several different topics may be taught in one year or semester. May be repeated for credit for total of 6 credits.
Prerequisite: Advanced standing and consent of instructor or department chair.

COMP 5327   Advanced Algorithms

Cr. 3. (3-0). This course focuses on the advanced design and analysis of algorithms. Several algorithm design and analysis techniques will be discussed in detail which include solutions to practical problems in graph theory, networks, optimization via divide and conquer algorithms, dynamic programming algorithms and greedy algorithms. Complexity theory, distributed algorithms, and encryption algorithms will be examined.
Prerequisite: None

COMP 5328   Computer Architecture
Cr. 3. (3-0). This course covers advanced computer architecture topics including the Instruction set architectures, computer performance-meaning and metrics, processor control, superscalar architectures, cache memory and virtual memory, input/output devices, processor-level parallelism.
Prerequisite: None

COMP 5329   Advanced Operating Systems
Cr. 3. (3-0). This course studies the concepts, theories and components that serve as the bases for the design of classical and modern operating systems. The lectures discuss the classical internal algorithms and structures of operating systems, including advanced topics in Linux/Unix, Mac OS, and Windows Operating Systems.
Prerequisite: None

COMP 5331   Cloud Computing
Cr. 3. (3-0). This course is an advanced level tour through various topics and technologies related to Cloud Computing. Topics include distributed system models and enabling technologies, computer clusters for scalable Computing, virtual machines and virtualization of clusters and datacenters, design of cloud computing platforms, cloud programming and software environments, grid computing and resource management, P2P computing with overlay networks, ubiquitous computing with clouds and the Internet of things, and data-intensive distributed computing.
Prerequisite: None

COMP 5332   Theory of Computation
Cr. 3. (3-0). This course identifies the limitations of the computers through formalizing computation (by introducing several models including Turing Machines) and applying mathematical techniques to the formal models obtained. It applies the complex theory and designing code. This is a theoretical computer science graduate course.
Prerequisite: None

COMP 5333   Cyber Crime Investigation
Cr. 3. (3-0). This course provides students intensive hands on investigation of computer related crime designed for the profession as an electronic crime investigator. Students will identify, evaluate, classify, and demonstrate proficiency in investigating computer related crimes.
Prerequisite: None

COMP 5334   Advanced Computer and Network Security
Cr. 3. (3-0). Given the security concepts and building blocks developed in the former course, this course both explores these previous topics in greater depth and covers additional topics. Topics

will include advanced cryptography, security protocols, network, firewalls, intrusion detection and prevention systems, vulnerability assessment, and other security technologies. There is special emphasis on application and software security issues. In addition, this course includes hands-on exercises using a Linux virtual machine that reinforce the material, and covers weekly current events in computer security.
Prerequisite: None

COMP 5335   Web, Cloud, and Mobile Security
Cr. 3. (3-0). This course covers Web safety and browser vulnerabilities, privacy concerns, issues with Java, JavaScript, ActiveX, and all things Web and security related. Various protocols, and approaches to provide web services in as secure a manner as possible will be investigated, to include: digital certificates SSL (Secure Socket Layer), TLS (Transport Layer Security), host security, server access methods, and secure CGI/API.
Prerequisite: None

COMP 5336   Computer Forensics
Cr. 3. (3-0). This course will provide a foundation in the field of Computer Forensics. The student will learn how to obtain and analyze digital information for possible use as evidence in civil, criminal or administrative cases. Topics include applications of hardware and software to computer forensics, computer forensics law, volume and file system analysis, computer forensics investigations, and computer forensics in the laboratory. Hands-on exercises guide discussions and reinforce the subject matter.
Prerequisite: None

COMP 5337   Machine Learning
Cr. 3. (3-0). This course examines several fundamental concepts and methods for machine learning. The emphasis will be on machine learning algorithms and applications, with some broad explanation of the underlying principles. The course will also discuss recent applications of machine learning, such as to robotic control, autonomous navigation, bioinformatics, speech recognition, and text and web data processing.
Prerequisite: None

COMP 5339   Software Analysis and Design
Cr. 3. (3-0). This course introduces established and evolving methodologies for the analysis, design, and development of an information system. Emphasis is placed on system characteristics, managing projects, prototyping, CASE/OOM tools, and systems development life cycle phases. Upon completion, students should be able to analyze a problem and design an appropriate solution using a combination of tools and techniques.
Prerequisite: None

COMP 5342   Advanced Web Application Development
Cr. 3. (3-0). This course emphasizes server-side development of enterprise applications. Topics include web servers, distributed network-based computing, handling client requests, server-side services, transmitting data using HTTP, database connectivity, security, and e-commerce. Programming languages and tools will be among the most significant such as Java, servlets, JavaServer Pages, Active Server Pages, .NET, XML, among others.
Prerequisite: None

COMP 5351   Network Administration
Cr. 3. (3-0). This course focuses on advanced level the administration of networked operating systems such as Windows Server and Linux. It includes, monitoring, managing and troubleshooting of network resources such as files, folder access, printing devices, device drivers, backup devices, recovery as well as protocols and system services.
Prerequisite: None

COMP 5352   Internetworking Technology
Cr. 3. (3-0). This course provides students how to plan and design a network using various internetworking technologies to meet performance, security, capacity, and scalability requirements. This includes the fundamental, technical, and design issues associated with campus LANs.
Prerequisite: None

COMP 5353   Data Mining
Cr. 3. (3-0). This course introduces fundamental topics of data mining and knowledge discovery, including statistical foundations, database support, data preprocessing, data warehousing, association discovery, classification, clustering, and mining complex data types.
Prerequisite: None

COMP 5354   Business Intelligence
Cr. 3. (3-0). This course focuses on Data Warehousing and its applications to business intelligence. Course will concentrate on introduction to business intelligence, design and development of business intelligence applications, expansion and support of a data warehouse; in addition to topics like: requirements gathering for data warehousing, data warehouse architecture, dimensional model design for data warehousing, physical database design for data warehousing, extracting, transforming, and loading strategies.
Prerequisite: None

COMP 5355   Data Analysis for Decision Making
Cr. 3. (3-0). This course investigates data scraping/sampling/cleaning in order to get an informative, manageable data set; data storage and management in order to be able to access data

- especially big data - quickly and reliably during - subsequent analysis; exploratory data analysis to generate hypotheses and intuition about the data; prediction based on statistical tools such as regression, classification, and clustering and communication of results through visualization, and interpretable summaries.
Prerequisite: None

COMP 5356   Software Project Management
Cr. 3. (3-0). This course focuses on first-line management of software system development. Covers major themes including estimation (software cost factors, estimation models, and risk management), planning (work breakdown, scheduling, staffing, resource allocation, and creation of a project plan), and execution (team building, leadership, motivation, process tracking, control recovery, and communication within and outside the project).
Prerequisite: None

COMP 5358   Wireless Networking
Cr. 3. (3-0). This course will examine advance level the area of wireless networking, looking at the unique network protocol challenges and opportunities presented by wireless communication and host or router mobility. Although it will touch on the important physical layer properties of wireless communications, focus will be on network protocols above the physical layer, with an emphasis on the media access control, network, and transport protocol layers.
Prerequisite: None

COMP 5393   Capstone Project
Cr. 3. (3-0). This is a capstone course intended to facilitate the integration and application of knowledge and skills gained in various courses within the computer science master curriculum. The project involves teamwork; modeling of real world problems; design, development and testing of a software-based solution; and its documentation.
Prerequisite: None

COMP 5398   Internship
This course is designed to supplement coursework in Computer Science. It helps students apply their knowledge into real-world problems in professional settings. Students recognize the need for continuous learning and experience the challenges of workplace environment.
Prerequisite: None

COMP 5399   Special Topics
Special topics courses with different titles offered occasionally to cover emerging issues or specialized in depth content not available in the core curriculum. A specific title may be used for each course, which will appear on the student's transcript. Several different topics may be taught in one year or semester. May be repeated for credit for total of 6 credits. Prerequisite: None

CUIN 5321   Methods in Science Teaching
Cr. 3. (3-0). This course is designed to develop pedagogical content knowledge for teaching science. Materials, methods and strategies necessary to teach science in secondary schools will be presented.
Prerequisite: None

CUIN 5322   Teaching the Nature of Science
Cr. 3. (3-0). This course overviews the history of scientific thought from the philosophical perspective. It discusses the nature of science, the history of science, the philosophy of science and the sociology of science for issues in science education.
Prerequisite: None

CUIN 5323   Teaching Science Lab
Cr. 3. (3-0). This course is designed to develop skills to master the science laboratory in secondary schools. The techniques to conduct experiments and demonstrations in science laboratory will be presented. Process of scientific inquiry and its role in science instruction will be overviewed. Laboratory safety will also be addressed.
Prerequisite: None

CUIN 5324   Selected Topics in Science Education
Cr. 3. (3-0). This course is the study of the selected topics in science education like the recent developments and the current research. The selected topics from secondary school science content will also be reviewed.
Prerequisite: None

CUIN 5331   Web Design and Web 2.0 Applications
Cr. 3. (3-0).This course explores advanced graphical editing methods in current Digital Graphics and Animation software. Both traditional and cloud-based alternatives of latest Digital graphics and Animation software will be covered with special emphasis in educational applications. Practical aspects of this course include creating educational website and materials by using Wordpress and various Web 2.0 tools.
Prerequisite: None

CUIN 5332   Digital Graphics and Animation
Cr. 3. (3-0). This course explores advanced graphical editing methods in current Digital Graphics and Animation software. Both traditional and cloud-based alternatives of latest Digital graphics and Animation software will be covered with special emphasis in educational applications. Practical aspects of this course include creating educational materials by using Adobe Photoshop and Adobe Edge (HTML5 based animation).
Prerequisite: None

CUIN 5333   Educational Media and Video Applications

Cr. 3. (3-0). This course explores advanced video editing methods in current software. Both traditional and cloud-based alternatives of latest video editing software will be covered with special emphasis in educational applications. Students acquire knowledge of visual design guidelines and principles for creating effective multimedia and hypermedia learning materials. Prerequisite: None

CUIN 5334   Mobile application design and development

Cr. 3. (3-0). This course improves students' understanding of mobile learning and its educational uses. Special focus will be on mobile learning and developing mobile applications. Mobile learning topics include computer programming concepts and development of mobile applications. Prerequisite: None

CUIN 5335   Teaching Programming to Students

Cr. 3. (3-0). This course will be covering various programming tools and platforms designed to teach learners in K-12 programming concepts. Programming tools will be discovered and projects will be created to understand the basics of programming at various level including elementary, middle and high school levels. Prerequisite: None

CUIN 5391   Practicum

Cr. 3. The practicum is an opportunity for candidates of Master of Education in Curriculum and Instruction to have authentic field experience in various school positions. During practicum, students put the skills they have gained in the program into practice. Students will be able to manage the real problems of the school successfully; understand the need of school administrators, teachers, student and parents; and apply technology in the classroom. Prerequisite: None

ECON 2311   Principles of Macroeconomics

Cr. 3. (3-0). This course provides an introduction to decision-making in the public sector; competing economic theories; economic analysis of inflation, unemployment, and economic growth; money and banking; monetary and fiscal policy; national income measurements; and international economics. Prerequisite: None

ECON 2312   Principles of Microeconomics

Cr. 3. (3-0). This course provides an introduction to how markets function in the allocation scarce resources. Common analytical tools are used to examine the behavior of individual consumers and firms, and a framework to determine the efficiency of various market outcomes is developed.

Topics include consumer theory, the behavior of firms, competition, monopoly, market equilibrium, and the role of government in the economy.
Prerequisite: None

ECON 3313   Global Economics
Cr. 3. (3-0). This course focuses on international trade in goods, services, and capital. It serves as an introduction to international economic issues and related policies. The issues discussed in the course include gains from trade and their distribution; analysis of protectionism; strategic trade barriers; the trade deficit; exchange rate determination; and government intervention in foreign exchange markets.
Prerequisite: ECON 2311 or ECON 2312

EDUC 2311   Introduction to Teaching Profession
Cr. 3. (3-0). This course introduces prospective teachers as well as other education students to the teaching profession. Presenting both historical and current views of teaching and education, this course encourages students to think more deeply, broadly, and systematically about what teaching is, what teachers do, and whether teaching is an appropriate career choice for them. In the course students will develop research and theory-based views of educational history, teaching practices, various contexts of teaching and teachers, and contemporary issues related to teacher education.
Prerequisite: None

EDUC 2312   Learning Theories and Development
Cr. 3. (3-0). This course analyzes learning and development theories and their implications for learning and teaching. It examines factors that impact and facilitate learning, as well as instructional strategies that support the cognitive, social, and emotional development of learners
Prerequisite: None

EDUC 3314   Classroom Management
Cr. 3. (3-0). This course teaches effective classroom management with an emphasis on helping students become self-regulated learners; i.e. the application of various management techniques to help students become more responsible for their behaviors and choices. Theories and diverse strategies related to effective classroom management will be discussed.
Prerequisite: None

EDUC 3315   Curriculum and Instructional Design
Cr. 3. (3-0). This course focuses on the design of instruction, in particular on the theory and method of design based on congruence between identified needs and approaches to curriculum development. Topics include curricular design models and the integral connection between curriculum, assessment, and instruction; strategies for curriculum alignment; investigation and

application of research-based instructional strategies; and the use of technology to enhance instruction.
Prerequisite: None

EDUC 3316   Integrating Technology into the Curriculum
Cr. 3. (3-0). This course examines the use of computers in the classroom and their impact on the learning environment. Topics include selection of resources, materials, and strategies for systemic achievement of curriculum goals; investigation of innovative and effective technological advances; and practices for use in teaching and learning.
Prerequisite: None

EDUC 3317   Education in Culturally Diverse Environments
Cr. 3. (3-0). This course offers perspectives on multicultural education in our schools today; on the appreciation of differences based on race, culture, ethnicity, and gender; and on how classroom practices can reflect a mature understanding of culturally diverse environments.
Prerequisite: None

EDUC 4318   Education of Exceptional Children
Cr. 3. (3-0). This course examines educators' responses to the needs of students with disabilities, those who are Limited English Proficient, and those who are academically or intellectually gifted. The focus is on differentiating and individualizing instruction for each student's mental, physical, emotional, and vocational development in the least restrictive environment.
Prerequisite: None

EDUC 4320   Issues in Secondary Schools - Reform, Law and Ethics
Cr. 3. (3-0). This course examines the key areas of educators' legal and ethical responsibilities, such as equity in education, documentation, intellectual property, accommodations for the disabled, student privacy, confidentiality, and personal relations between teachers and students. Specific legal cases will be discussed.
Prerequisite: None

EDUC 4321   Measurement and Assessment in Education
Cr. 3. (3-0). This course examines principles of educational measurement and evaluation in secondary schools. Topics include test construction, test reliability and validity, item analysis, interpretation of test results, grading and reporting of educational achievement.
Prerequisite: None

EDUC 4323   Reading in Content Areas

Cr. 3. (3-0). This course focuses on the development of reading skills and the interaction of readers with the text. Topics include the readability of curriculum materials, accommodating learning in light of students' diverse reading abilities, and assessment of student learning. Prerequisite: None

EDUC 4699   Student Teaching

Cr. 6. During practicum, student put into practice the skills they have gained in the Interdisciplinary Studies in Education program. Students will be able to manage the real problems of the school successfully; understand the needs of school administrators, teachers, students, and parents; apply technology in the classroom; and create lesson plans and other documentation based on the needs of the schools. Prerequisite: Completion of all coursework

EDUC 5311   Human Growth and Development

Cr. 3. (3-0). This course is designed to examine the human development through the lifespan. The physiological, social, emotional, cognitive, language and cultural influences on the human development will be discussed. The theories of childhood, adolescent and young adult development and learning will be studied. This course is offered online on University's website. Prerequisite: None

EDUC 5312   Curriculum and Instructional Design

Cr. 3 (3-0). This course focuses on the design of the instruction, in particular on theory and method of design as it relates to school administration. The main topics include curriculum design, instructional strategies, lesson planning, and assessment. This course is designed to be a practical course where school administrators will be equipped with the core skills needed for the successful administration of school curriculum. The mission of this course is not only building a required skills set to succeed as a future school administrator, but also extending the interest of students by introducing the concepts that are commonly used by today's teachers along with new applications providing students with the confidence, knowledge, and ability to easily learn the fundamentals of teaching. Prerequisite: None

EDUC 5313   Statistical Procedures and Measurement in Education

Cr. 3. (3-0). This graduate-level course is intended to provide students in Educational Leadership with a conceptual introduction to basic inferential statistics and statistical hypothesis testing in the behavioral sciences. Emphasis is placed on understanding the underlying concepts and assumptions of statistical procedures, and on the correct application and interpretation of each procedure. Prerequisite: None

EDUC 5314   School Leadership

Cr. 3. (3.0). This course focuses on preparing successful principals in various public schools that comprise the principal's work. It examines educational management and leadership from an interdisciplinary perspective. Special emphasis is placed upon organizational learning, school transformation, and the critical role assumed by school leaders as they enable others to develop self-managing schools.

Prerequisite: None

EDUC 5315   Instructional Leadership

Cr. 3. (3.0). This course is designed to acquaint educators with theories and current research that supports innovative practices and effective teaching strategies in K-12 school settings. The implications of current school improvement efforts, issues and trends in K-12 education will be covered in this class. The role of teachers as instructional leaders will be emphasized as this role leads to improving classroom performance and student achievement.

Prerequisite: None

EDUC 5316   Human Resource Management

Cr. 3. (3.0). This course investigates how to manage human resources effectively in the dynamic legal, social, and economic environment currently impacting educational institutions. Covered topics are: formulation and implementation of human resource strategy; job analysis; methods of recruitment and selection; techniques for training and development; performance appraisal; compensation and benefits; and the evaluation of the effectiveness of human resource management frameworks and practices.

Prerequisite: None

EDUC 5319   School Finance and Campus Business Management

Cr. 3. (3.0). This course emphases on the role of the principal in the planning, development and implementation of the financial aspect of a campus including budgeting, purchasing, human resources, and business office management. Emphasis is placed on processes and procedures that most effectively and equitably meet the identified instructional needs of the building and specifically support increased student achievement as specified in the campus improvement plan. Scheduling, discipline, and facility management will be addressed as the management component of the course. This course also includes theory and practices of business management, internal accounting procedures, and the Texas public school finance.

Prerequisite: None

EDUC 5320   Communication and Public Relations for School Administrators

Cr. 3. (3.0). This course is designed to examine the communication and public relations in K-12 schools as a part of the educational leadership program. The following concepts will be discussed: principles underlying public relations in public agencies, development of school and community

understanding, the role of the public in planning and implementing school programs and services, and cooperation among the various public agencies to maximize educational services.
Prerequisite: None

EDUC 5322   Internship in Educational Leadership
Cr. 3. The internship is an opportunity for candidates of school administrator to have authentic field experience in administrative leadership positions. This is a time when candidates work closely with school administrators and supervisors at their school or other educational settings.
Prerequisite: EDUC 5311, EDUC 5312, EDUC 5314, EDUC 5316, EDUC 5318

EDUC 5323   Internship in Educational Leadership
Cr. 3. The internship is an opportunity for candidates of school administrator to have authentic field experience in administrative leadership positions. This course replaces EDUC 5322 for the candidates who are not planning to enroll Texas Principal Certification Program. Candidates work closely with school administrators and supervisors at their school or other educational settings.
Prerequisite: EDUC 5311, EDUC 5312, EDUC 5314, EDUC 5316, EDUC 5318

EDUC 5324   Integrating Technology into Education
Cr. 3. (3-0). The course is designed to help enhance the skills of teacher and school administrators in the area of technology leadership. The course covers an overview of the utilization of technology to enhance decision-making, institute long-term planning, and regulate the day-to-day operations of the organization.
Prerequisite: None

EDUC 5325   Research Methods in Education
Cr. 3. (3-0). This graduate-level course provides an introduction to research methods in education. The class will take place online, consisting of readings, discussions, and a variety of learning activities. The procedures commonly used in educational research and conceptual, procedural and analysis issues from a wide variety of areas will be covered. By the end of the course, students will have a good awareness of the range of procedures that may be applied to different types of research studies and the guidelines that should be used in selecting a set of appropriate research methods.
Prerequisite: EDUC 5313

EDUC 5326   Law and Policy for School Leaders
Cr. 3. (3-0). This course examines key legal issues that govern daily and long-range decisions of educational leaders. This also course focuses on the laws that govern America's public school system including student rights regarding discipline, suspension, personal grooming, testing and grading, and drug testing. In addition, it provides an introduction to the field of educational

politics with special emphasis on theoretical and conceptual analysis of the political behavior of education's stakeholders and the policy performance of educational systems.
Prerequisite: None

ENGL R300   Basic Writing

Cr. 3. (3-0). This course will help students to develop and improve the writing skills needed for successful completion of university-level work. This course focuses on academic writing. It provides strategies for improving content, organization, voice, reading to write, and editing in analytical essays and reports.
Prerequisite: None

ENGL R301   Development of Reading Skills

Cr. 3. (3-0). This course offers intensive instruction in fundamental reading skills. This course focuses on improving reading and comprehension skills by developing university-level vocabulary and active reading strategies such as previewing, organizing information, analyzing structure, and identifying main ideas and supporting details.
Prerequisite: None

ENGL 1311   Composition and Rhetoric I

Cr. 3. (3-0). This course is designed to help students practice the fundamentals of the writing process in personal and expository writing. Emphasis is on developing essays, writing for a particular audience, evaluating, analyzing, revising and editing texts.
Prerequisite: ENGL R300 and ENGL R301 or placement by exam

ENGL 1312   Composition and Rhetoric II

Cr. 3. (3-0). This course offers continued development of writing skills and development of academic writing, with emphasis on literary analysis, expository and persuasive essays, study of research methods and materials, and preparation of research papers.
Prerequisite: ENGL 1311

ENGL 2313   Introduction to Writing

Cr. 3. (3-0). This course offers continued development of writing skills and development of academic writing, with emphasis on technical communications, various forms of business correspondence, basic procedures for research writing, creative and critical essay writing.
Prerequisite: ENGL 1312

ENGL 2314   Introduction to Literature

Cr. 3. (3-0). This course introduces poetry writing with emphasis on its forms and distinctive characteristics. The course will include poets from several different historical periods in which English verse has been composed, and poets from the diverse national/ethnic groups who have

written in English. Students will be introduced to analyzing and writing about literature, focusing on the genres of fiction, non-fiction and drama. Students will learn techniques for reading analytically and critically and for writing critical/research papers on fiction, non-fiction and drama.
Prerequisite: ENGL 1312

ENGL 2315   Survey of British Literature I
Cr. 3. (3-0). This course focuses on the study of the literature of the Ancient, the Middle Ages and the longer English Renaissance, including the 17th century.
Prerequisite: ENGL 1312

ENGL 2316   Survey of American Literature
Cr. 3. (3-0). This course focuses on the study of the American literature from 1820 to 1865, including the birth of Romanticism, Transcendentalism, the slave narrative, and the abolitionist and woman's suffrage movement; from 1865 to 1914: an investigation of the ways in which mainstream and marginalized writers responded to post-Civil-War changes and conditions, including the literary movements of realism, naturalism, regionalism, and "local color." This course also introduces the American literature of the modern period (1914-1945): poetry and prose that range from the experimentalism of elitist art to immigrant stories to hardboiled detective fiction, as well as the developments in North American literature from the nineteen-fifties to the present.
Prerequisite: ENGL 1312

ENGL 2319   Survey of World Literature
Cr. 3. (3-0). This course focuses on a cross-cultural survey of 20th century literature from Latin America, Africa, Asia, Europe, and the United States. It includes the reading and discussion of major modern novelists who have influenced the form and content of other writers. Analysis of the writing and sociological, political, and historical contexts of the authors.
Prerequisite: ENGL 1312

ENGL 3317   Survey of British Literature II
Cr. 3. (3-0). This course focuses on the study of the literature of the longer eighteenth century and nineteen century, from the Restoration to the French Revolution as well as the reign of Queen Victoria. This course also covers the period of the twentieth- and twenty-first centuries.
Prerequisite: ENGL 1312

ENGL 3318   Technical & Professional Writing
Cr. 3. (3-0). This course helps students develop additional academic writing skills such as writing reports, memoranda, proposals and other kinds of texts used in business, government, industry and academia. Prerequisite: ENGL 1312

ENGL 3320   Issues in Composition Secondary Classroom

Cr. 3. (3-0). This course introduces students to the theoretical basis for and practical applications of cutting-edge instructional methods in Secondary School English Language Arts. The course focuses on how to plan curriculum units that integrate skills instruction in the areas of reading (both literature and non-fiction texts), writing (both expository and creative), speaking/listening, critical thinking, creative performance and media communications.
Prerequisite: ENGL 1312

ENGL 3321   Professional Report Writing

Cr. 3. (3-0). This course teaches advanced skills for short to mid-length informational and analytical reports common to the school place. Students learn to research, interpret, organize, and critically evaluate information. There is an emphasis on solving problems, using evidence, making carefully informed decisions and realistic recommendations as well as adapting the message to the audience. The importance of document design, accurate documentation of sources, responsible use of rhetoric, and clear and purposeful writing are strongly promoted.
Prerequisite: ENGL 1312

ENGL 3322   Studies in Linguistics and History of the English Language

Cr. 3. (3-0). This course examines the Linguistics and history of English from the prehistoric roots that bind it to other languages of Europe and Asia, through the period of its earliest attestation, and into the modern era. The course approaches the subject from the perspective of modern linguistics and also develops familiarity with the theory and analytical methods of this field.
Prerequisite: ENGL 1312

ENGL 3323   Teaching Grammar, Composition, Spelling, and Listening

Cr. 3. (3-0). This course focuses on the preparation for teaching grammar, usage, punctuation, composition, spelling, critical thinking, and listening in secondary schools.
Prerequisite: ENGL 1312

ENGL 4324   Reading and Writing in the Secondary Classroom

Cr. 3. (3-0). This course is designed to instruct students in the teaching of reading and writing in the secondary classroom, with an emphasis on principles, trends, methods, materials, approaches and strategies. Based on theories of interactive language and writing development, the course presents methodology designed to help teachers develop literacy and comprehension abilities in the English Language Arts.
Prerequisite: ENGL 1312

FINA 1311   Personal Finance

Cr. 3. (3-0). This course provides students with skills to solve real world problems. It focuses on problems and applications related to personal finance, including financial planning, personal

investing, budgeting, tax planning, real estate financing, credit management, insurance protection, and retirement and estate planning.
Prerequisite: None

FINA 3312   Business Finance

Cr. 3. (3-0). This course examines financial principles applicable to the business organization. Topics include risk return trade off, the time value of money, fundamentals of stocks and bonds and their valuation, capital budgeting, dividend and debt policy.
Prerequisite: ACCT 2311, ECON 2311, either BUSI 2311 or MATH 1312

FINA 3313   Financial Markets and Institutions

Cr. 3. (3-0). This course analyzes asset and liability management for financial institutions. Topics include financial markets such as stocks, bonds, mortgages, derivatives and foreign exchange.
Prerequisite: FINA 3312

FINA 4314   Investments

Cr. 3. (3-0). This course focuses on investment theories and their application in terms of selecting assets and securities such as stocks, bonds, and mutual funds. Modern portfolio theory, leverage, and portfolio diversification is also discussed.
Prerequisite: FINA 3312

FINA 4315   Financial Analysis and Valuation

Cr. 3. (3-0). This course analyzes the financial statements of corporations, using analytical tools and methods ranging from ratio computation and cash flow measures to equity valuation. Topics include cash flow analysis, profitability analysis, credit analysis, short-term and long-term forecasting, and equity analysis and valuation.
Prerequisite: FINA 3312

FINA 4316   International Finance

Cr. 3. (3-0). This course focuses on the financial operations of corporations in international financial markets. Topics include forecasting exchange rates in foreign exchange markets, the components of international monetary systems, currency risk management techniques, and global financial decisions.
Prerequisite: FINA 3312

FINA 4317   Risk Management

Cr. 3. (3-0). This course focuses on ways to measure and properly price risk. It introduces basic concepts in insurance and the derivatives necessary for risk management and control. It also discusses contemporary risk measurement techniques and methods such as VaR in assessing credit and market risk that financial institutions are exposed to. Prerequisite: FINA 3312

FINA 4319   Financial Management
Cr. 3. (3-0). This course provides an in-depth study of capital budgeting, financing, dividends, and related issues in the context of risk, return, and creation of value in a corporation and other business organizations.
Prerequisite: FINA 3312

FINA 4320   Financial Statement Analysis
Cr. 3. (3-0). This course is an overview of the pertinent theories and various applications relevant to the analysis of financial statements by applying both finance and accounting principles. Emphasis is placed on readings in current literature in the finance and accounting fields. Case studies are used to provide practice and experience in a contemporary business environment.
Prerequisites: FINA 3312

FRSH 1311   Freshman Seminar
Cr. 3. (3-0). This course introduces success strategies for college, career, and lifelong learning. The coursework explores methods of critical thinking, problem-solving, techniques for effective learning, the foundations for working productively in diverse groups/teams, time management, setting goals, test taking strategies and learning about individual strengths.   The course will also provide opportunities for students to learn about campus life, activities and available resources.
Prerequisite: Freshman students only.

GEOG 3313   Geography of US and Canada
Cr. 3. (3-0). This course provides a systematic and regional analysis of the United States and Canada with emphasis on contemporary economic, environmental, political and social issues.
Prerequisite: GEOL 1311 for social studies major students

GEOL 1311   Earth Science
Cr. 3. (3-0). This course introduces students to physical geography/earth science. It includes study of physical systems and processes demonstrating the basic principles of physical and historical geology, astronomy, meteorology, and oceanography.
Prerequisite: None

FRSH 1311   Student Success Seminar
Cr. 3. (3-0). This course introduces success strategies for college, career, and lifelong learning. The coursework explores methods of critical thinking, problem-solving, techniques for effective learning, the foundations for working productively in diverse groups/teams, time management, setting goals, test taking strategies and learning about individual strengths.   The course will also provide opportunities for students to learn about campus life, activities and available resources.
Prerequisite: None

GOVT 2311   U.S. Government I
Cr. 3. (3-0). This course on the Constitution and Government of the United States examines the institutional structures of government at national and state levels, including the legislative process, executive and bureaucratic structures, and the judiciary systems.
Prerequisite: None

GOVT 2312   U.S. Government II
Cr. 3. (3-0). This course on the constitution of Texas and state, county, and municipal governments examines the constitutions of the State of Texas and the United States, federalism and intergovernmental relations, local government, and the political process. Note: Students transferring their government course work from out-of-state must enroll in this course to complete the Texas legislative requirement.
Prerequisite: GOVT 2311 for social studies major students

HIST 1311   U.S. History I
Cr. 3. (3-0). This course is a general survey of United States history from the discovery of the continent to the end of Reconstruction in 1877.
Prerequisite: None

HIST 1312   U.S. History II
Cr. 3. (3-0). This course is a general survey of United States history from 1877 to the present.
Prerequisite: HIST 1311 for social studies major students

HIST 2313   Western Civilization
Cr. 3. (3-0). This course is an overview of the origins and development of what is known as Western Civilization, from its ancient beginnings up to the era of the Renaissance and Reformation. Western Civilization refers to the civilization that began in the ancient Near East and then developed primarily in Europe, northern Africa and the westernmost edges of Asia. The cultural and political legacy of this civilization is vast and has become predominant in much of the world.
Prerequisite: HIST 1311 for social studies major students

HIST 2314   History of Texas
Cr. 3. (3-0). This course is a survey of the political, economic, social, cultural, and intellectual development of Texas from the period of Spanish discovery to the present.
Prerequisite: HIST 1311 for social studies major students

MATH R300 Fundamentals of Mathematics
Cr. 3. (3-0). This course reviews basic arithmetic skills and pre-algebra, and elementary algebra topics that are required for the College Algebra course. Prerequisite: None

MATH 1311   College Algebra

Cr. 3. (3-0). This course involves the study of linear, polynomial, rational, exponential, logarithmic and inverse functions; the theory and system of equations; complex numbers.
Prerequisite: MATH R300 or placement by exam

MATH 1312   Statistics

Cr. 3. (3-0). This course covers data collection, frequency distributions, probability and probability distributions, sampling and sampling distributions, hypothesis testing with applications in various fields, regression and correlation analysis.
Prerequisite: MATH 1311

MATH 1313   Pre-Calculus

Cr. 3. (3-0). With this course, students will be prepared for Calculus I. Topics included are functions and models including powers, exponentials, logarithms, rational functions, analytical geometry, and a detailed study on trigonometric functions, an introduction to matrix operations, determinants, two dimensional vector analysis, and an introduction to series and limits that are necessary.
Prerequisites: MATH 1311

MATH 2314   Calculus I

Cr. 3. (3-0). This course teaches Calculus of rational functions: limits, derivatives, applications of the derivative, indefinite integrals, definite integrals, mean value theorem, fundamental theorem of calculus, applications, and problem solving.
Prerequisite: MATH 1313

MATH 2315   Calculus II

Cr. 3. (3-0). This course teaches Calculus of transcendental functions: methods of integration and applications of integration, indeterminate forms, improper integrals, infinite series, parametric equations, and polar coordinates.
Prerequisite: MATH 2314

MATH 2316   Linear Algebra

Cr. 3. (3-0). This course focuses on systems of linear equations, vector spaces, linear transformations, matrices, and determinants.
Prerequisite: MATH 1311

MATH 2317   Discrete Mathematics

This course introduces basic concepts of mathematics and mathematical reasoning and provides an introduction to discrete concepts such as finite sets and structures, and their properties and

applications. Topics include, but are not restricted to principals of counting, combinatorics, logic, sets, relations, functions, induction and other methods of proof, recursion, and graph theory. Prerequisite: MATH 1311

MATH 2325   History of Mathematics

Cr. 3. (3-0). This course provides a university-level experience in mathematics and its history. Students will discover the development of important mathematical topics such as algebra, calculus and probability; be familiar with the contribution of famous mathematicians to mathematics and recognize the impact of their discoveries on history; understand the mathematical influences on the sciences; apply ancient techniques of problem solving to gain an appreciation for the current state of mathematics and to discover how different cultures have affected the development of mathematics. Prerequisite: MATH 1311

MATH 3318   Geometry and Trigonometry in Math Education

Cr. 3. (3-0). This course delves into Euclidean geometry-axioms and proofs, lines and triangles; trigonometric functions and the study of transformations-translations, rotations, reflections, dilations and symmetry. The curriculum also covers coordinate geometry, vectors and matrices, non-Euclidean geometry and problem solving. Prerequisite: MATH 1311

MATH 3319   Statistics and Probability

Cr. 3. (3-0). This course is an overview of probability and statistics. Topics included are probability theory, random variables, discrete and continuous random variables, the central limit theorem, sampling, estimation, hypothesis testing, confidence intervals, and analysis of variance. Prerequisite: MATH 2314

MATH 3320   Differential Equation

Cr. 3. (3-0). This course is an introduction to ordinary differential equations of first order, higher order linear equations, Laplace transform methods. There are three main aspects we will be concerned with: 1) how to solve them, 2) how to interpret the solutions, and 3) how to apply them to solve real world problems. Prerequisite: MATH 2315

MATH 3326   Introduction to Number Theory

Cr. 3. (3-0). This course introduces prime numbers and the fundamental theorem of arithmetic. Topics include, but are not limited to induction, well-ordering, division algorithm, Euclidean algorithm, number theoretic functions and congruencies. Prerequisite: MATH 1311

MATH 3327   Integrating Technology in Math Education
Cr. 3. (3-0). An introduction to technology appropriate for the mathematics classroom, including calculators, CAS systems, handhelds, computer software and multimedia. This course is intended for pre-service mathematics teachers at the middle/high school level.
Prerequisite: MATH 1311

MATH 4322   Teaching Problem Solving in Math
Cr. 3. (3-0) This course introduces techniques of teaching mathematics to produce deeper levels of conceptual and procedural understanding. Topics include the methodology of absorbing new ideas, efficient and accurate calculation, the formulation of alternate solutions; and addressing the five critical mathematical processes, which include communication and problem solving.
Prerequisite: MATH 1311

MATH 4324   Teaching Secondary School Math
Cr. 3. (3-0). This course focuses on methods, techniques and evaluative instruments applicable to the teaching of secondary school mathematics.
Prerequisite: MATH 1311

MATH 5311   Teaching Secondary School Math
Cr. 3. (3-0). This course focuses on methods, techniques and evaluative instruments applicable to the teaching of secondary school mathematics.
Prerequisite: None

MATH 5312   Geometry and Trigonometry for Teachers
Cr. 3. (3-0). This course delves into Euclidean geometry-axioms and proofs, lines and triangles; trigonometric functions and the study of transformations-translations, rotations, reflections, dilations and symmetry. The curriculum also covers coordinate geometry, vectors and matrices, non-Euclidean geometry and problem solving. Dynamic mathematics software is used to construct activities related to previously mentioned topics.
Prerequisite: None

MATH 5313 - Advanced Calculus
Cr. 3. (3-0). Functions of several variables, differentiation, composite and implicit functions, maxima and minima, differentiation under the integral sign, line integrals, Green's theorem. Vector field theory: gradient, divergence and curl, divergence theorem. Stokes' theorem, applications. Review of general theory of sequences and series. Additional reading on selected topics.
Pre-requisite: Graduate standing and MATH 2315 or equivalent or consent of graduate advisor.

MATH 5314   Teaching Problem Solving in Math and Science
Cr. 3. (3-0). This course provides students with opportunities for reflection on aspects of inquiry/problem solving, and nature of science/mathematics. Provides background for student development of instructional materials focusing on inquiry/problem solving and nature of science/mathematics.
Prerequisite: None

MATH 5315   Innovative teaching methods in STEM education
Cr. 3. (3-0). Through a dynamic process of investigation and collaboration, students aim to master techniques for project-based investigations in STEM classrooms, and teach project-based lessons in the secondary classroom. Students work to formulate questions, make predictions, design investigations, collect and analyze data, make products and share ideas. The use of assessments to improve student learning is emphasized in the course.
Prerequisite: None

MATH 5316   Selected Topics in Math Education
Cr. 3. (3-0). This course is the study of the selected topics in mathematics education like the recent developments and the current research. The selected topics from secondary school mathematics content will also be reviewed.
Prerequisite: None

MATH 5317 - Advanced Linear Algebra
Cr. 3. (3-0). The following topics will be covered: the basic theory of vector spaces, the algebra of linear transformations and equations, the algebra of matrices, determinants, Eigen values, Eigen vectors, introduction to inner product spaces.
Pre-requisite: Graduate standing and MATH 2316 or equivalent consent of graduate advisor.

MATH 5318- Probability and Statistics
Cr. 3. (3-0). Topics include probability, random variables, moments and generating functions, random vectors, special distributions, limit theorems, sampling, point estimation, hypothesis testing, confidence estimation.
Pre-requisite: Graduate standing and MATH 2315 or equivalent or consent of graduate advisor.

MATH 5319- Ordinary Differential Equations
Cr. 3. (3-0). This course provides beginning graduate students a survey of ordinary differential equations by reviewing undergraduate coursework and introducing more sophisticated solution techniques and analysis for the study of smooth dynamic systems. Applications will include classical mechanics, electrical circuits, chemistry, biology, and economics.
Pre-requisite: Graduate standing and MATH 5313 or consent of graduate advisor.

MBA 5311   Managerial Economics

Cr. 3. (3-0). Managerial Economics is the application of economic theory and methodology to formulating rational managerial decisions. Topics include a thorough supply and demand analysis and forecasting demand, the theory of individual behavior, production process and cost, profit maximization under various market structures and game theory. The course will offer a comprehensive treatment of economic theory and analysis, using both qualitative and quantitative tools and techniques.
Prerequisite: None.

MBA 5312   Managerial Accounting and Budgeting

Cr. 3. (3-0). This course is an introduction to the accounting principles, concepts, procedures and techniques underlying financial and managerial accounting and budgeting. The emphasis of the course is on business and economic information generated in the accounting process and a study of their behavior for planning and control decisions.
Prerequisite: None.

MBA 5313   Quantitative Methods

Cr. 3. (3-0). The course will provide an in-depth study of descriptive statistics, statistical sampling and estimation, exponential families and sufficient statistics, maximum likelihood estimators, confidence intervals and hypothesis testing, regression and linear models, multiple examples of applied statistics. Computing assignments using a prescribed software package will also be given.
Prerequisite: None

MBA 5314   Marketing Management

Cr. 3. (3-0). This course develops the marketing principles by which products and services are designed to meet customer needs, priced, promoted, and distributed to the end user. The focus is on the application of these marketing principles to a wide range of customers, both internal and external. Topics include consumer behavior; market segmentation and target market selection, and management of marketing mix variables such as product, price, placement, and promotion.
Prerequisite: None

MBA 5315   Leadership in Organizations

Cr. 3. (3-0). This course provides students with in-depth knowledge on the various leadership theories and insight into effective leadership practices. Topics include management versus leadership, traits and characteristics of leaders, leadership attitudes and styles, situational leadership theories, power and influence, and motivation and coaching skills for leaders.
Prerequisite: None

MBA 5316   Management and Organizational Theory

Cr. 3. (3-0). This course examines the four functions of management - planning, organizing, leading, and controlling - with emphasis on the application of management concepts and theories to achieve organizational goals. It also provides tools for understanding how organizations form, survive and grow, interact with each other, recruit and process members, gain and manage resources, and deal with both internal and external problems.
Prerequisite: None

MBA 5317   Business Policy and Strategy

Cr. 3. (3-0). This course focuses on how managers formulate strategic decisions and manage the strategy implementation process. Using integrative analysis (from other core course, such as accounting, finance and marketing) and case studies this course will explore the process of developing and managing business strategies. Topics will include development of corporate goals and objectives, competitive analysis, business and corporate level strategies, and organizational systems design for plan implementation.
Prerequisite: Last semester of study, or approval of graduate director.

MBA 5318   Project Management

Cr. 3. (3-0). This course covers the tools and techniques required for project management. Topics include project selection, project planning, budgeting, scheduling, resource allocation, project control, project crashing, and project termination and tools such as work breakdown structures, network diagrams, and performance measurement. Students will also acquire soft skills to become effective project managers and apply both soft and technical skills in real projects.
Prerequisite: None

MBA 5319   Financial Management

Cr. 3. (3-0). This course provides an in-depth study of capital budgeting, financing, dividends, and related issues in the context of risk, return, and creation of value in a corporation and other business organizations.
Prerequisite: MBA 5311, MBA 5312, MBA 5313 or concurrent enrollment, or approval of graduate director

MBA 5331   Leading Organizational Change

Cr. 3. (3-0). This course will focus on advanced theoretical concepts and applications in the areas of organizational development and change management. The concepts of organizational culture and leading organizational change initiatives will be of particular importance. Students will explore the application of specific tools for conducting organizational development initiatives, such as process contracting, data gathering, and feedback. The course will also cover individual, team and multiple organization interventions.
Prerequisite: None

MBA 5332   Creativity, Innovation and Design

Cr. 3. (3-0). This course will focus on developing new ways of design thinking, the most important element of a creative culture in a dynamic business world. The course helps students to recognize the method and application of design as an alternative management approach for business leaders in a competitive environment. Also, new ways of design thinking through class exercises and a course project will be developed, where students will develop creative concepts for an assigned topic.

Prerequisite: None

MBA 5333   Conflict and Negotiation

Cr. 3. (3-0). This course explores the ways that people negotiate to create value and resolve disputes. This course introduces negotiation theory and helps build negotiation skills among students. The curriculum combines negotiation research and experiential learning activities. Some of the topics taught in the course include bargaining, value creation and distribution, the dynamics of coalitions, multi-party negotiations with a focus on organized preparation, dispute resolution, and process analysis.

Prerequisite: None

MBA 5351   Economic Strategy and Forecasting

Cr. 3. (3-0). This course is fundamental in developing a framework for business and economic strategies as well as applying various econometric tools and methods to analyze economic and financial data to forecasting in practice. The first part of the course introduces market forces such as supply and demand, the organization of the firm and the industry competitive structure. Game theory will be a very useful tool/method in understanding various competitive environments as they relate to the firm's strategic choices. The second part of the course deals with the more technical aspect of forecasting important economic and business variables. Some examples would include forecasting housing price movements; volatility in the market; growth and inflation prospects related to the macro economy.

Prerequisite: MBA 5311, MBA 5313, or approval of graduate director

MBA 5352   Managerial Decision Models and Simulation

Cr. 3. (3-0). This course examines the tools and techniques to solve managerial decision models that represent real-world business problems and identify their managerial implications. The course focuses on the use of Excel to apply tools including optimization modeling, simulation, and decision trees.

Prerequisite: None

MBA 5353   Data Mining

Cr. 3. (3-0). This course introduces fundamental topics of data mining and knowledge discovery, and their applications in solving real life problems. Topics will include statistical foundations,

database support, data preprocessing, data warehousing, association discovery, classification, clustering, and mining complex data types.
Prerequisite: None

MBA 5354   Business Intelligence

Cr. 3. (3-0). This course focuses on data warehousing and its applications to business intelligence. Course will concentrate on introduction to business intelligence, design and development of business intelligence applications, expansion and support of a data warehouse; in addition to topics like: requirements gathering for data warehousing, data warehouse architecture, dimensional model design for data warehousing, physical database design for data warehousing, extracting, transforming, and loading strategies.
Prerequisite: None

MBA 5355   Data Analysis for Decision Making

Cr. 3. (3-0). This course introduces some of the basic concepts in business analytics that are typically implemented in spreadsheet models. The course introduces students to statistical techniques that extend the ideas of prediction based statistical tools like simple linear regression and multiple regression. These extensions include finding relationships among variables, methods for automatically building regression models from large collections of predictors. Time series analysis, forecasting models and binary response models will also be introduced with real life business examples and case studies. The course focuses on the practical use of modern methodologies that are often associated with data analysis and decision making.
Prerequisite: MBA 5313, or approval of graduate director

MBA 5356   Social Media Analytics

Cr. 3. (3-0). This course displays the vast opportunities that exist today to leverage the power of social media. It focuses on a range of questions from strategic to operational matters pertaining to a firm's social media initiatives, metrics to apprehend relevant outcomes, and predictive analytics to link social media conversation to business performance.
Prerequisite: None

MBA 5399   Internship

Cr. 3. This course is designed to enable Master of Business Administration students to gain practical experience that supplements their coursework. It helps students apply their knowledge into real-world problems in professional settings. Students recognize the need for continuous learning and experience the challenges of workplace environment.
Prerequisite: Completion of the first semester, and a minimum CGPA of 3.0, and MBA coordinator approval.

MNGT 2311   Management & Organizational Behavior
Cr. 3. (3-0). This course examines tools for understanding the management process, organizational structure and corporate culture. It also relates theory and research to organizational problems by reviewing concepts in individual behavior, motivation and performance, communication, conflict and negotiation, teamwork dynamics and decision-making.
Prerequisite: None

MNGT 3312   Operations Management
Cr. 3. (3-0). This course focuses on principles and applications of process and resource management in manufacturing and service operations. Topics include forecasting, capacity planning, process selection, facility layout, quality control and management, scheduling, inventory control, MRP and ERP, and supply chain management.
Prerequisite: MNGT 2311

MNGT 4313   Management Science
Cr. 3. (3-0). This course introduces quantitative and analytical methods for modeling to solve business problems. Tools such as linear programming, integer programming, network flow models and decision analysis are examined.
Prerequisite: MNGT 2311, MATH 1311

MNGT 4314   Small Business Management
Cr. 3. (3-0). This course examines the economic and social environment in which small businesses function, and the critical role of entrepreneurship in fostering business growth and development. Topics include facts about going into business, conducting a feasibility study, financing a business, essential management skills, marketing strategies and legal issues.
Prerequisite: MNGT 2311

MNGT 4315   Leadership
Cr. 3. (3-0). This course provides students with in-depth knowledge on the various leadership theories and insight into effective leadership practices. Topics include management versus leadership, traits and characteristics of leaders, leadership attitudes and styles, situational leadership theories, power and influence, and motivation and coaching skills for leaders.
Prerequisite: MNGT 2311

MNGT 4316   Human Resource Management
Cr. 3. (3-0). This course focuses on theories, principles, and practices of human resources management in organizations. Topics include human resource management functions such as recruitment, selection, training, performance management, benefits and compensation.
Prerequisite: MNGT 2311

MNGT 4317   International Management

Cr. 3. (3-0). This course examines different aspects of international management and organization of multinational corporations. Topics include organizational problems in international operations, cross-cultural negotiations and decision making, formulating and implementing strategy for international and global operations, and international personnel management.
Prerequisite: MNGT 2311

MNGT 4318   Project Management

Cr. 3. (3-0). This course introduces the basic concepts of project management and tools and techniques to effectively manage projects. Topics include project selection, project planning, budgeting, scheduling, resource allocation, project control and project termination. Tools such as work breakdown structures, network diagrams, project crashing will also be covered.
Prerequisite: MNGT 2311

MRKT 2311   Principles of Marketing

Cr. 3. (3-0). This course introduces marketing concepts and their application in the marketing of products, services, ideas, and organizations. Topics include consumer behavior; market segmentation and target market selection, and management of marketing mix variables such as product, price, placement, and promotion.
Prerequisite: None

MRKT 4312   International Marketing

Cr. 3. (3-0). This course introduces characteristics of global marketing and the strategic marketing decisions for effective competition in the global environment. Topics include planning and organizing for international marketing operations, distinctive characteristics, environmental influences, and emerging trends in overseas markets.
Prerequisite: MRKT 2311

PHYS 1311   Introductory Physics

Cr. 3. (3-0). General introduction to basic and fundamental principles in physics including: motion, energy, momentum, gravity,, relativity, thermodynamics, waves and sound.
Prerequisites: None

PHIL 1311   Introduction to Logic and Critical Thinking

Cr. 3. (3-0). This course in critical thinking and informal logic focuses on developing the critical and creative thinking skills necessary to analyze and solve problems, make decisions, implement strategies, and formulate well-supported points of view on key academic, social, and professional issues. It includes an introduction to the disciplines of inductive and deductive logic, fallacious reasoning, and perception process, use of assumptions, emotional influences, and language in

various forms of business communication. Students will learn how to evaluate their ideas and how to communicate their points of view persuasively.
Prerequisite: None

PHIL 1312   Professional Ethics
Cr. 3. (3-0). This course, as an introduction to ethical decision-making in professional life, examines individual, organizational, and macro-level issues in different professions. Both descriptive and normative models of unethical and ethical decision making are analyzed to help students make more informed ethical decisions.
Prerequisite: None

PHIL 1313   Introduction to Philosophy
Cr. 3. (3-0). This course is an introduction to philosophical thought with practical applications. It includes the nature of philosophy and metaphysics, Socratic examination of life, epistemology, ethics, critical thinking, mature of reality, moral philosophy, consciousness, free will, determinism and self-actualization.
Prerequisite: None

POLI 2311   International Relations
Cr. 3. (3-0) A survey of international relations, including such topics as theories of IR, contemporary global issues, and conflict. The role of state and non-state actors will be examined, as well as the impact of cultural and economic forces, regionalism, and globalization. Prerequisite: None.

PSYC 2311   General Psychology
Cr. 3. (3-0). This course focuses on the nature of psychology with emphases on the study of personality development, decision making, reactions to frustration, mental health, and how the individual interacts with and is influenced by others.
Prerequisite: None

SOCI 2311   Introduction to Sociology
Cr. 3. (3-0). This course focuses on sociological perspectives including concepts and methods; social class and social status, the family, minorities, crime, religion, power, urbanization and population.
Prerequisite: None

SPAN 1311   Elementary Spanish
Cr. 3. (3-0). It is an introductory course to present essential vocabulary and grammar, and to develop the pronunciation, reading, and writing skills necessary for basic communication and comprehension. This course is not open to native speakers, which includes anyone who used the language as his or her principal language of education. Prerequisite: None

SUST 2311   Sustainability: Principles and Practice

Cr. 3. (3-0). This course emphasizes the relationships and interactions of the physical, biological, technological, and cultural components of the environment in a sustainable way. Selected interdisciplinary problems are studied. The course will begin with a survey of the environmental status of the planet, including climate change, sustainable development, ocean acidification, ecosystem degradation, pollution, air and water quality and quantity. Students will then focus on opportunities for sustainable solutions, such as sustainable eco-systems, energy systems, energy efficiency, sustainable communities and agriculture, and how we can learn from nature with sustainable development practices. This builds upon the previous college experience of the student and seeks to develop environmental literacy.

Prerequisite: Successful completion of minimum 45 credits of course work.

8. UNIVERSITY GOVERNANCE

8.1. Board of Trustees

The Board of Trustees of the North American University functions as the University's major policy making body and planning unit. The interests of the major constituencies of the institution are represented by one or more board members. The voting members of the board do not receive any compensation from the institution. The president (CEO) of the University also serves on the board as a non-voting member. North American University is a 501(c)(3) educational non-profit organization. The current governing board members of the North American University are Dr. James C. Gezgin, Dr. David Perlmutter, Dr. Murat Torlak, Mr. Ruhi Ozgel, and Dr. Guner Arslan.

8.2. University Administration

Name	Title	Area of Assignment	Degree
Dr. Recayi Reg Pecen	President & Professor	Day to day institutional operations, Coordination with Board of Trustees and University Advisory Board	Ph.D. in Electrical Engineering, University of Wyoming
Dr. John C. Topuz	Provost & Vice President - Academic Affairs	Academic Departments, Compliance, Library, Registrar's Office, Distance Education Office and Intensive English Program	D.B.A. in Finance, Louisiana Tech University
Dr. Kadir Almus	Vice President - Administrative Affairs	Admission, Financial Aid, International Student Office, Marketing and Communications, Housing and Facilities	Ed.D. in Educational Administration and Supervision, University of Houston
Dr. Osman Kanlioglu	Dean of Student Affairs	Student Services Office, Student Success and Retention Office, Alumni/Career Services Office	Ph.D. in Electrical Engineering, University of Houston
Mr. Dovran Ovezov	Chief Financial Officer (CFO) - Business Affairs	Business Office, Human Resources, Information Technology and Bursar's Office	M.B.A., Southeastern Louisiana University

8.3. University Advisory Board

The President and the Board of Trustees of North American University have determined that there is great value to the University in having a well-organized system of Advisory Board for all academic departments. The main objective of the NAU Advisory Boards is to assist the University, by all appropriate means, to carry out more effectively its mission.

The current members of the University Advisory Board are listed as follows:

Name	Title	Company/Institution
Dr. John "Yiannis" K. Galiotos	Dean	Energy and Manufacturing Institute, LoneStar College System
Dr. John Roberts	Dean	College of Liberal Arts and Social Sciences, University of Houston
Mr. Brian Flores	Director Educational Talent Search	Lonestar College, North Harris
Mr. Mike Jiang	Vice President	Houston Business Banking, Bank of Texas
Ms. Samantha Gonzalez	Community Outreach Manager	Kidney.org
Mr. Jeffrey O. Baldwin, Sr.	President	Baldwin Liaison Consulting, LLC; (Retired) Senior Executive, Fields Operations; U.S. Customs & Border Protection, Department of Homeland Security
Ms. Melvin Houston	Business/Entertainment Lawyer	Melvin Houston Associates
Ms. Kim Stoilis, Chair of the Board	Vice President	thepointgroup
Ms. Linda Vega	Immigration Attorney	The Vega Law Firm, Houston, TX
Mr. Jeng Liang	Former Educator and President of Private K-12 school	Texas Real Estate World, (T.R.E.W) Realty and Business
Mr. Besim Tafilaj	Vice President	Commercial Banking, Chase Bank
Hon. Ms. Teta Banks	President	The International Forum, Inc., United Nations Association
Mr. Omer C. Reid	Director of Human Resources	City of Houston
Mr. Deniz Cevik	President	Realtor and Contractor
Mr. Reggie Gray	President	Houston Intercontinental Chamber of Commerce
Mr. Gamal Hassan	President & CEO	ADH Energy, Houston, TX

Ms. Cherry Steinwender	Executive Director	The Center for the Healing of Racism, Houston, Texas
Mr. Faisal Amin	Director, Benchmarking & Strategy	Berkeley Research Group, LLC Houston, TX www.thinkbrg.com
Dr. Basheer M. Khumawala, FDSI	John & Rebecca Moores Professor	C.T. Bauer College of Business University of Houston, Houston, TX

9. FACULTY

Kudbettin Aksoy
- — **Area of teaching specialization:** Learning and Development Theories, Research Design, Measurement
- — **Rank:** Associate Professor
- — **Degrees:**
  Ph.D., Educational Psychology - Individual Differences, University of Houston
  M.Ed., Curriculum and Instruction, University of Houston
  B.S., Mathematics Education, Bosphorus University

Kadir Almus
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